



20 ANNUAL REPORT 21

 javys

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MISSION

- operation, management and decommissioning of nuclear reactors,
- radioactive waste management and transport,
- spent nuclear fuel management and transport.

AUTHORIZATION OF ACTIVITIES BY THE MINISTRY OF ECONOMY SR

Based on the provisions of Act 541/2004 Coll. on Peaceful Use of Nuclear Energy (the Atomic Act), and on amendments and supplements to certain Acts, in force, the Ministry of Economy SR authorized JAVYS, a. s. to provide activities related to radioactive waste and spent nuclear fuel repositories at the national level and on behalf of all operators of nuclear facilities. JAVYS, a. s. as the sole entity is able to count on a professionally competent team of experts, the relevant technology, and the facilities to provide such activities. The company holds licenses issued by the regulatory bodies.

It provides all activities in compliance with the approved national policy and national programme for spent nuclear fuel and radioactive waste management adopted in the Slovak Republic, and in compliance with EC Directive 2011/70/Euratom.

1.

A WORD FROM THE CEO AND CHAIRMAN OF THE BOARD OF DIRECTORS

Dear Sirs and Madams,

JAVYS, a. s. is committed to fulfilling the envisaged mission and respecting the Energy Safety Strategy of the Slovak Republic, the national policy and the national programme for spent nuclear fuel and radioactive waste management adopt-

ed in the Slovak Republic. We fully accomplished all these tasks in 2021, with emphasis placed on maintaining a safe and smooth operation. A significant factor which impacted 2021 was the implementation of measures incurred by the ongoing pandemic, which required multiple operative decisions by the management board and new strategic tasks. Consequently, let me emphasize that safety was our utmost priority in 2021, irrespective of associated complications of multiple processes. Our company workplaces were not affected by

any fire or other incident to be notified to regulatory bodies in 2021, and registered occupational injuries were not reported. The level of workers' radiation protection in the controlled areas was strictly monitored. Neither did the maximum individual efficient dose exceed the legally specified limit values, nor the approved internal limit values. All our activities are continuously and extremely strictly monitored both by Slovak and international regulators. In 2021, the Nuclear Regulatory Authority (NRA) of the Slovak Republic conducted thirty-nine (39), and inspectors of the International Atomic Energy Agency six (6) inspections in cooperation with inspectors from EURATOM and NRA SR. Measured safety criteria are our highly impor-



tant indicator to maintain our number one priority, which has always been the safety in our company. At the same time, I appreciate the National Labour Inspectorate granting us the title "Responsible employer" based on the criteria we fulfilled, because our strategic vision starts with building a responsible and modern company.

An important milestone in the nuclear power plant's decommissioning (V1 NPP) in 2021 was to reconsider the original

deadline to have the nuclear power plant decommissioned in December 2025. The deadline was extended to December 2027. The deadline was reconsidered after the critical path of the V1 NPP decommissioning was analysed, the causes of deviations from the original decommissioning plan were specified, alternatives to upcoming procedures, risks and adopted measures were assessed, as agreed by all affected parties: the European Commission, the Ministry of Economy SR, the Slovak Innovation and Energy Agency, and the European Bank for Reconstruction and Development. The decommissioning processes envisaged in the Stage 2 Plan continued irrespective of the extended deadline for the V1 NPP decommissioning. The key project of V1 NPP's decommissioning, "Dismantling of reactor coolant system large components", was our main priority. As part of the project, we completed the fragmentation of the reactor pressure vessel at Unit 1, and significantly progressed with the fragmentation of the Unit 2 pressure vessel. During the V1 NPP decommissioning, we managed to release a considerable portion of the decommissioned materials into the environment. Motivated by my decision as the CEO of JAVYS, a. s., we underwent an audit by the Supreme Control Office in 2021. The audit reviewed the management systems of projects funded by BIDSF, to identify the project management critical paths.

The ongoing Decommissioning Stages 3 and 4 in nuclear power plant A1 consist of primary circuit technology dismantling, dismantling of technology previously used to prepare spent nuclear fuel for transport, dismantling of two steam generators, oil management in turbo-compressors, deuteri-

um oxide management technology, CO2 management, the cooling system and its technology in the primary circuit, and related technology in the main reactor building (A1 NPP). More technology unit and civil buildings outside of A1 NPP were dismantled in 2021, contaminated soil was freed of pollutants and classified, and ground water and infiltrated ground water were monitored and stabilized. In parallel with dismantling activities, radioactive waste produced by decommissioning, and previously produced radioactive waste, was processed, within the integral part of the decommissioning process.

The list of important and integrated activities provided by the company includes processing and transporting radioactive waste (RAW) and managing emitters and radioactive waste of unknown origin. In 2021, we made 809 transports of radioactive materials in certified transport containers. We disposed of 408 fibre concrete containers with radioactive waste in the National radioactive waste repository in Mochovce (the second double-row of disposal vaults). We transported 300 assemblies with spent nuclear fuel from nuclear power plants V2 and EMO to the Interim Spent Fuel Storage in 2021.

We were also impacted by legislative changes in the previous year: the ban on new contracts on radioactive waste processing concluded with international partners was introduced. It resulted in several decisions and measures adopted by the company's management to comply with the valid contractual obligations. We reconsidered the extent of offered commercial activities, and focused on consultancy services to provide our expertise and experience gained over the years of

decommissioning nuclear plants with radioactive waste and spent nuclear fuel. We supplied our services to business partners in Italy, the Czech Republic, Germany, Bulgaria, and ten countries in southeastern Europe and the Caucasus.

All aforesaid facts were reflected in the company's net profits. As of 31.12.2021, pre-tax company earnings reached €5,383,173, and taxed earnings reached €3,323,925. The operating net earnings reached €9,258,407. The main activities of JAVYS, a. s. in 2021 were funded from the National Nuclear Fund, BIDSF, SIEA, and incomes and revenues obtained from commercial activities. Company earnings were reported in the financial statement reviewed and approved by an independent auditor without any comments.

2021 was marked by many changes, rationalization measures, operative solutions which mirrored the then current market needs, and the market situation. The company still managed to evolve into a more efficient and modern environment. Let me express my gratitude to all employees that we jointly overcame another complicated period without any restrictions to our operation and without negative impacts on safety.

Pavol Štuller, MBA



2.

COMPANY BODIES

THE BOARD OF DIRECTORS OF JAVYS, a. s.

Chairman

Pavol Štuller, MBA

Vice Chairman

JUDr. Vladimír Švigár

Members

Ing. Ján Horváth

Ing. Miroslav Božík, PhD.

EXERCISE OF SHAREHOLDERS' RIGHTS

The company Jadrová a vyrad'ovacia spoločnosť, a. s. exercises the shareholders' rights in the company Jadrová energetická spoločnosť Slovenska, a. s., in a joint venture with a foreign shareholder, in which JAVYS, a. s. owns a 51% share and the Czech energy group ČEZ owns 49% of the shares of Jadrová energetická spoločnosť Slovenska, a. s. The crea-

THE SUPERVISORY BOARD OF JAVYS, a. s.

Chairman

RNDr. Ing. Pavol Švec, CSc.

Vice Chairman

JUDr. Eva Polerecká

Members

Ing. Ján Dudášik

Mgr. Adrián Iványi

Ing. Róbert Szűcs

Ing. Daniel Vašina (until 24 September 2021)

Ing. Marián Vrtoch (until 24 September 2021)

RNDr. Roman Jakubec

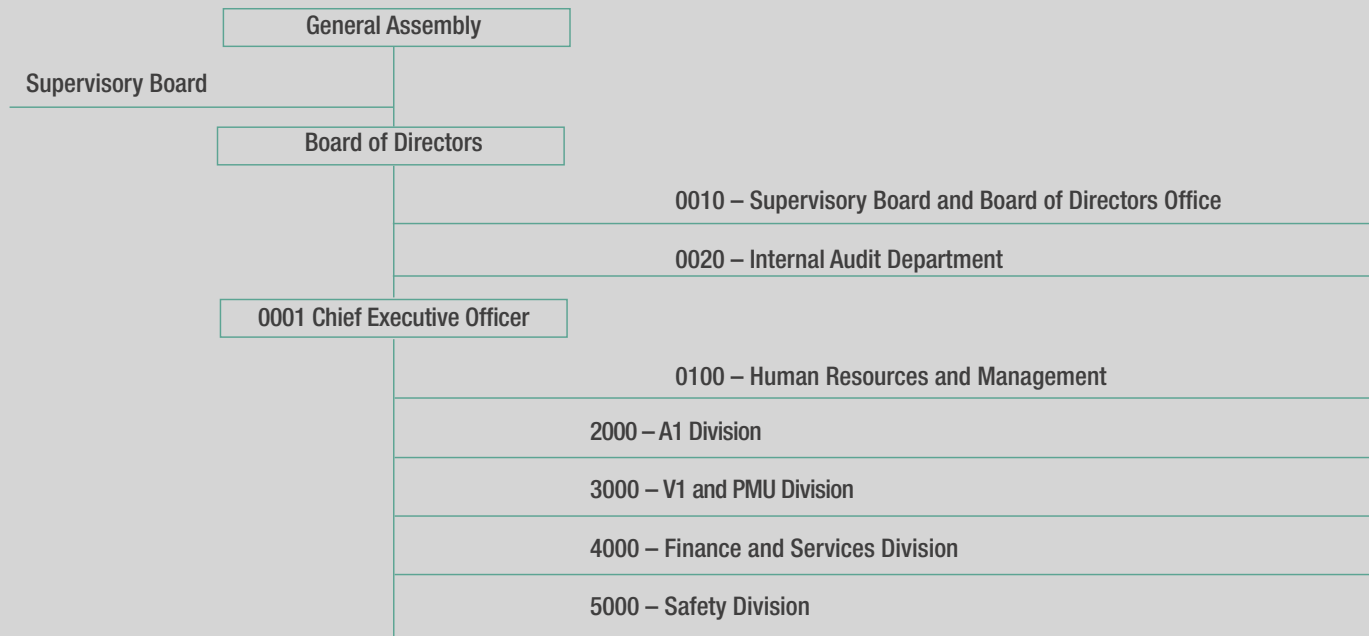
Ing. Ivana Ščasnovičová, PhD. (from 25 September 2021)

RNDr. Tibor Rapant, PhD. (from 25 September 2021)

tion of Jadrová energetická spoločnosť Slovenska, a. s. has opened up space for the preparation of a project for the construction of a new nuclear power plant and other activities in Jaslovské Bohunice, with the company's activities being fully governed by the applicable provisions of the Commercial Code and the company's Articles of Association.

3. ORGANISATIONAL STRUCTURE AND HUMAN RESOURCES

ORGANISATIONAL STRUCTURE



HUMAN RESOURCES

JAVYS, a. s. had **818** employees as of 31 December 2021, which is 51 less compared to the same period of the previous year.

Employee structure		
	as of 31 December 2021	Share (%)
Workers	174	21.27
Technicians, administrative staff	644	78.73
Total	818	100.00

Organisational structure - level of education		
	as of 31 December 2021	Share (%)
Primary education	1	0.12
Secondary education	508	62.10
University, college	309	37.78
Total	818	100.00

EMPLOYEES' EDUCATION AND TRAINING

"To educate and maintain professionally competent personnel in order to provide safe, reliable, environmentally sound and economic operation of nuclear facilities owned by the company, while complying with safety and ALARA principles (As Low As Reasonably Achievable)" is the main goal of JAVYS, a. s., established by the professional preparation policy.

Jadrová a vyrad'ovacia spoločnosť a. s., approaches the development of human resources in accordance with the planned and approved development concepts for the education and training of employees for the specific activities of operation and decommissioning of nuclear installations. The education and professional preparation of employees is planned in advance and supervised by regulatory authorities. The educational process is secured and implemented in compliance with the legal regulations, specified in the management reports - the System of professional preparation of employees - and in predefined educational programmes and educational content. The educational programmes and academic content of the educational activities and the professional preparation are regularly reviewed and updated based on changes in nuclear energy technology.

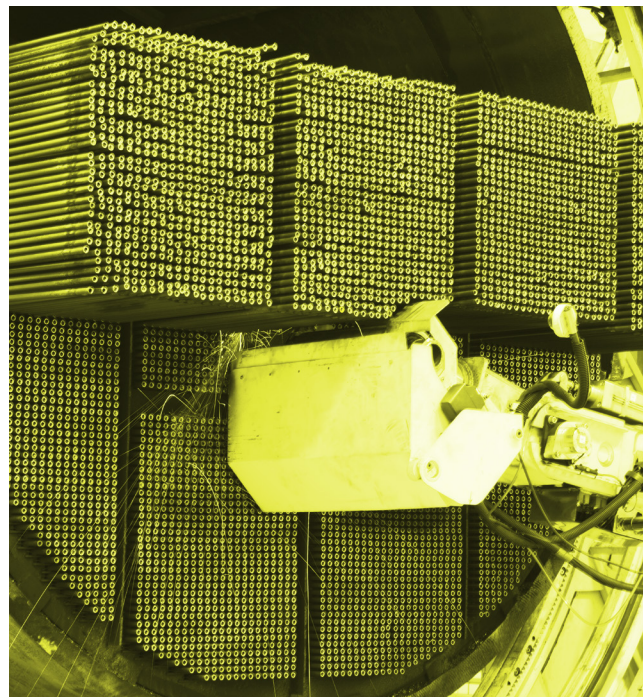
In 2021 the objective was controlled by the state supervisory authorities in the field of education and training of employees in accordance with Act No. 541/2004 Coll. (the Atomic Act) and Decree No. 52/2006 Coll. of the Nuclear Safety Authority of the Slovak Republic on professional competence, as amended by Decree No. 34/2012 Coll. and Decree No. 410/2019 Coll. Professional training was carried out in accordance with the annual training schedules and the requirements of the professional units. In the context of the operation and decommissioning authorisations for nuclear installations, all staff competence requirements have been met.

The main priority of the professional training for the professional activities was the fulfilment of the requirements according to Act of the Slovak Republic No. 124/2006 Coll., Decree of the Ministry of Labour and Social Security of the Slovak Republic No.

508/2009 Coll. and other legislation, aimed at the safe course of work activities at nuclear installations.

Tailor-made educational programmes coined to meet our requirements share summarized and systematized recent knowledge in the field of education and professional development of employees, who are the key source of our company's success in the current competitive market. We pay particular attention to the company's learning environment, the tool for employees' development, upgraded expertise, multiplied, broadened or modified structure or content of their professional expertise, a motivational boost to trigger successful accomplishment of the company's strategic goals.

In connection with the development of the spread of the viral disease COVID - 19, the education and training of employees was ensured under the adopted anti-epidemiological measures, so that the company's objective was fulfilled successfully. The training was carried out in the form of video presentations, on-line trainings/seminars/courses. The lecturers provided lecturing through pre-recorded video lectures and video presentations. Nuclear installations of JAVYS, a. s. are operated by competent staff ensuring safe, reliable, environmentally sound and economical operation, so that the nuclear and conventional safety of nuclear installations is not compromised.



STRATEGY AND QUALITY ASSURANCE

STRATEGY

JAVYS, a. s. is committed to fulfilling the envisaged mission and respects the Energy Safety Strategy of the Slovak Republic, the National Policy and the National Programme for spent nuclear fuel and radioactive waste management adopted in the Slovak Republic, as well as the important decisions of the supervisory bodies, while JAVYS, a. s.' strategy was focused on the following strategic areas in 2021:

a) RAW, SNF, IRAW and RMUO management

JAVYS, a.s. carried out all planned activities related to the management of RAW, SNF, IRAW and RMUO in accordance with the National Policy and the National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic and JAVYS a.s.' Comprehensive Programme for the Management of RAW and SNF.

b) Decommissioning of the A1 NPP nuclear facility

Tasks related to the safe, efficient and reliable decommissioning of A1 NPP in accordance with the Draft National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic, the plan for Stage 3 and Stage 4 of A1 NPP's decommissioning, and the decommissioning concept for the period after

the end of the authorised phase were fulfilled within the set time-frames.

c) Decommissioning of the V1 NPP nuclear facility

Tasks related to the safe, efficient and reliable decommissioning of V1 NPP in accordance with the NPP V1 Phase 2 Decommissioning Plan, the NPP V1 Decommissioning Strategy, the Detailed Decommissioning Plan and JAVYS, a. s.' planning documents, in accordance with the Draft National Policy and the National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic, have been fulfilled within the set time-frames.

d) Company development

JAVYS, a. s. carried out activities related to the preparation and implementation of approved investment projects and actions leading to the expansion of processing and storage capacities for SNF.

e) Finance and services

In line with the strategy of an economically stable company, EBITDA performance was ensured at the level set in the business plan and financial budget for 2021.

f) Company management

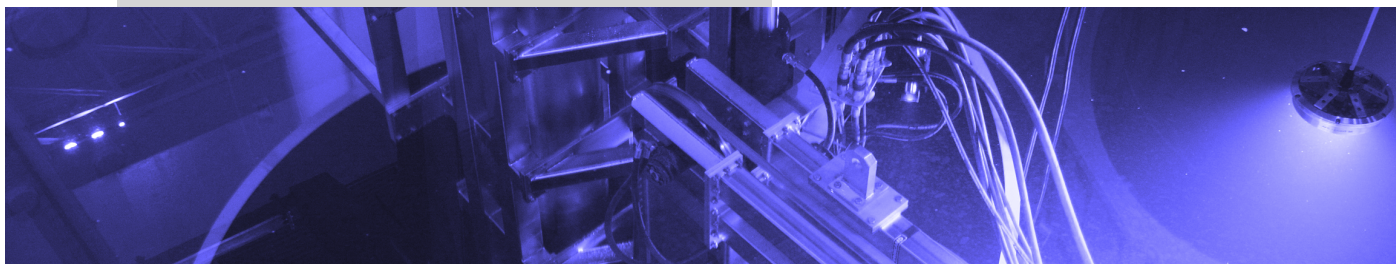
An effective management system for JAVYS, a. s., was developed in accordance with the approved strategy concept for decommissioning of V1 NPP and A1 NPP and the national spent nuclear fuel and radioactive waste management programme in the Slovak Republic through:

- securing the IMS recertification of JAVYS, a. s., in accordance with the requirements of ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental management system, ISO 45001:2018 Occupational Health and Safety Management System and ISO/IEC 20000-1:2018 Information Technology Services Management System;
- professional training of employees for safe, reliable, ecological and economical operation of the company's production and technological equipment in accordance with the principles of safety culture and ALARA principles with minimal influence of the human factor on the occurrence of operational incidents;
- IT development, upgrading of security access elements was ensured, and compliance was achieved in accordance with the conclusions of analysis of the Cyber-security Act measures' impact on the infrastructure of JAVYS, a. s.

ving the level of occupational health and safety system management in order to reduce potential health hazards caused by technological processes, technical equipment, people's activities and the working environment.

g) International commercial activities

In 2021 JAVYS, a. s. continued obtaining new contracts for consultancy projects on RAW and IRAW management, and NF decommissioning.



JAVYS, a. s., also built its reputation as a trustworthy institution with an emphasis on protection of public health and the environment, while also increasing and continuously impro-

QUALITY ASSURANCE

In 2021, the recertification audit confirmed the entitlement of JAVYS, a. s. to ISO 9001:2015 Quality Management System certificates, ISO 14001:2015 Environmental management system certificates, and ISO 45001:2018 Occupational health and safety management system certificates. The certificates are valid until February 10, 2025 and embrace the “Decommissioning of nuclear energy facilities, radioactive waste management, institutional radioactive waste management, management of radioactive materials of unknown origin and used nuclear fuel.”

The renewal of certificates, compliant with the standards listed above for the upcoming years, confirms JAVYS, a. s. is moving in the right direction towards consistently increasing quality, environmental protection, and occupational health and safety, along with reaffirming the position of the company in the national and the international markets of nuclear energy services, and its overall positive brand perception by the public.

In 2021, JAVYS, a. s. underwent a recertification audit pursuant to standard ISO/IEC 20000-1:2018 on the Service Management System, specifically the “Service Management System in the field of Information and Telecommunication Services to support office and IT services throughout the company in compliance with the service catalogue”. This certificate is valid until 16 May 2022 and then the ISO/IEC 20000-

1:2018 certification will be discontinued, as JAVYS, a. s. aims to become certified according to ISO/IEC 27001:2013 for its IMS system in 2022; however, JAVYS, a. s. will continue to apply the selected requirements of the ISO/IEC 20000-1:2018 standard within its IMS.

In 2021, JAVYS, a. s. initiated intense preparation and procurement of services associated with the implementation of the standard ISO/IEC 27001:2013 Integrated Management System (IMS) system into its Integrated Management System (IMS). These requirements will be gradually implemented into JAVYS, a.s.’ existing Integrated Management System (IMS) in the first half of 2022, for example, by a GAP analysis and internal audit. Subsequently, certification of JAVYS, a. s.’ IMS is planned in line with standard ISO/IEC 27001:2013 by June 2022.

The long-term goal of JAVYS, a. s. is to present itself as a trustworthy company that carries out activities related to the decommissioning of nuclear facilities and management of radioactive waste, institutional radioactive waste, radioactive materials of unknown origin and spent nuclear fuel at a high quality level with maximum emphasis on the safety and health protection of employees and residents of the region, as well as environmental protection. Obtaining the certificates also demonstrates that the company operates and implements its mission within internationally recognised standards and is managed safely.

5.

YEAR AT A GLANCE

29 January

At the joint meeting, Jadrová a vyradovacia spoločnosť, a. s., and the trade unions - the Basic Organisation of the Association of Nuclear Energy Trade Unionists of Slovakia and Alternative trade unions of JAVYS signed Amendment No. 3 to the Company Collective Agreement for 2019 - 2021, with effect from 1 January 2021.

17 February

The District Court in Bratislava 1, in accordance with the provisions of Section 8 (1) of Act No. 530/2003 Coll. on the Commercial Register, and on amendment to and supplementation of certain Acts, as amended, with effect from 17 February 2021, registered the change of the registered office of the company Jadrová a vyradovacia spoločnosť, a. s. The new registered office of the company is: Jaslovské Bohunice 360, 919 30 Jaslovské Bohunice.

12 March

Chairman of the Economic Affairs Committee of the National Assembly of the Slovak Republic, Mr. Peter Kremský, other committee members and Chairwoman of the Nuclear Regulatory Authority of the Slovak Republic, Ms. Marta Žiaková, visited the nuclear facilities of JAVYS, a. s., in Jaslovské Bohunice.

23 March

JAVYS has joined the International Atomic Energy Agency (IAEA) Collaborating Centre. Slovakia became the third coun-

try with which the IAEA has signed a cooperation agreement in the field of nuclear facilities decommissioning.

19 - 23 April

Auditors from the certification company DNV Business Assurance Slovakia, s.r.o. verified compliance with the requirements of ISO/IEC 20000-1:2018 for the information technology service management system. JAVYS, a. s., became certified according to this standard.

24 April

JAVYS, a. s., successfully carried out for the second time one of the most complex operations of the V1 NPP decommissioning project. It also transported a second reactor pressure vessel weighing over two hundred tonnes.

11 May

The Minister of Economy of the SR, Richard Sulík, and the Minister of Environment of the SR, Ján Budaj, together visited the JAVYS nuclear facilities in Jaslovské Bohunice. They were particularly interested in the radioactive waste incinerator and the Interim Spent Nuclear Fuel Storage Facility (ISFS).

26 May

Amendment No. 4 to the Company Collective Agreement for 2019 - 2022 with effect from 1 June 2021 was concluded by Jadrová a vyradovacia spoločnosť, a. s., and trade union organisations - the Basic Organisation of the Trade Union of Nuclear Energy Workers of the Slovak Republic and Alternative Trade Unions of JAVYS.

22 June

JAVYS, a. s., supported the 11th year of the young talent competition. Pavol Štuller, CEO was also a member of the International Evaluation Committee of the Youth Embassy Project - High School and College Student Talent Competition.

23 June

Representatives of the Ministry of Economy of the SR with Karol Galek, the State Secretary, and the Slovak Innovation and Energy Agency visited JAVYS, a. s., where key V1 NPP decommissioning projects are being implemented.

28 June

Metsamor Eduard Martirosyan, the Director General of the Armenian Nuclear Power Plant and his first deputy, Movses Vardanyan, toured the Radioactive waste processing and treatment technology (RAW PTT), specifically the Bohunice Radioactive Waste Treatment Centre (BRWTC) and fibre concrete container (FCC) production plant of JAVYS, a. s.

29 June

Within Project D4.2 “Dismantling of large primary circuit components”, the dismantling of the last of the twelve main circulating pumps (MCPs) installed at the V1 nuclear power plant was carried out in the 25th week of 2021. The pumps were among the main primary circuit devices providing refrigerant flow in the primary circuit.

22 September

A regular emergency training exercise was held at the premises of JAVYS, a. s. in Jaslovské Bohunice. The aim of the

exercise was to test the emergency response, classification procedures, localization and disposal of simulated events at nuclear facilities, the functionality of the warning and notification system, verification of time limits and the functionality of technical means. 687 people took part.

28 September

Another important milestone in the NPP V1 decommissioning process was reached, namely the last cut on the removable part of main circulation pump 65. Fragmentation of all main circulation pumps, main shut-off valves and primary piping has been completed.

18 - 22 October

Fourteen experts from around the world met in Slovakia as part of the TAG 70 meeting to discuss the process of nuclear power plant decommissioning and related activities. They visited the V1 controlled area in Jaslovské Bohunice, where dismantling and fragmentation of large components of the primary circuit has been carried out. In addition, they toured the Integral Warehouse and the Republic Storage Facility in Mochovce.

18 October

The National Labour Inspectorate awarded JAVYS, a. s. with the title “Responsible Employer” based on the fulfilled criteria and the proposal by the Programme Steering Committee. The title is supplemented by a golden plaque with the inscription “Responsible Employer” on it, and the entitlement to use the logo for five years (the title’s validity).

8 - 12 November

During the recertification audit by DNV Business Assurance Slovakia, s. r. o. the fulfilment of the requirements of ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System and ISO 45001:2018 Occupational Health and Safety Management System was verified. JAVYS, a. s., has been recertified according to the above standards.

20 November

JAVYS reached another significant milestone in V1 NPP's decommissioning: fragmentation of the Unit 1 reactor pressure vessel (RPV), with a total weight of 205 tonnes, was completed.

29 November

Amendment No. 5 to the Company Collective Agreement for 2019 - 2022 with effect from 1 January 2022 was concluded by Jadrová a vyradovacia spoločnosť, a. s. and trade union organisations - the Basic Organisation of the Trade Union of Nuclear Energy Workers of the Slovak Republic and Alternative Trade Unions of JAVYS.

23 December

Employees of JAVYS helped socially disadvantaged families in the Trnava region by organising a food and drugstore Christmas donation.

2021

As part of the decommissioning process of A1 and V1 NPP, JAVYS, a. s. recovered 2,155 tonnes of secondary raw materials from the decommissioned material for recycling in 2021.

JAVYS, a. s. secured 8 cases of recovered radioactive materials of unknown origin. This mainly involved various parts of agricultural machinery.

From V2 NPP in Jaslovské Bohunice and NPP in Mochovce JAVYS, a. s., 300 fuel cassettes of spent nuclear fuel were transported to the Spent Nuclear Fuel Interim Spent Fuel Storage Facility in Jaslovské Bohunice. Transport and processing of spent nuclear fuel is one of the areas of activities that JAVYS, a. s. performs and provides for Slovenské elektrárne, a. s.

As part of a series of measures taken against the spread of COVID-19, JAVYS, a. s., provided antigen testing of its staff. RT-PCR tests were also used to verify the situation, where necessary.



6.

DECOMMISSIONING OF NUCLEAR FACILITIES

V1 NPP'S DECOMMISSIONING

The purpose of V1 NPP's decommissioning is to exempt the nuclear facility from the scope of the Atomic Act by dismantling equipment, demolishing buildings, managing the decommissioned V1 NPP, safely processing and disposing of radioactive waste (RAW) in the National radioactive waste repository in Mochovce, or safely storing waste in the Interim Storage of RAW at the Bohunice site .

Once the decommissioning has been completed, the V1 NPP site will be available for industrial use.

The Nuclear Regulatory Authority (NRA) of the Slovak Republic issued Decision No. 900/2014 on 23 December 2014, on the basis of which the second stage of V1 NPP's decommissioning started in 2015. It also included a licence for RAW management and a licence for nuclear materials management at V1 NPP.

Decommissioning of the nuclear power plant in Jaslovské Bohunice, two V1 NPP Units, is planned in partial projects divided into two stages from 20.7.2011 to 31.12.2027

The original deadline (31 December 2025) to have the plant decommissioned was reconsidered in 2021 after the critical path of V1 NPP's decommissioning was analysed, the causes of deviations from the original decommissioning plan were specified, alternatives to upcoming procedures, risks and

adopted measures were assessed and approved by all affected parties (European Commission, Ministry of Economy SR, SIEA, European Bank for Reconstruction and Development), and it was extended to December 2027. The deadline will be met provided that partial deadlines specified in the revised critical path of the decommissioning project are met, and Project D4.7.01 "*Decontamination and Demolition of V1 NPP Buildings and Site Restoration*" is procured in a timely manner. V1 NPP's decommissioning progressed in 2021 in line with V1 NPP Decommissioning 2nd Stage Plan, and the related decision issued by the Nuclear Regulatory Authority (NRA) of the Slovak Republic for Stage 2 of V1 NPP's decommissioning.

Main activities towards V1 NPP's decommissioning in 2021

- securing and disconnecting systems,
- implementation of projects:
 - supporting surveys for V1 NPP's decommissioning,
 - dismantling unnecessary equipment and systems in the V1 NPP control area,
 - dismantling and fragmentation of equipment and large components of the primary circuit of both units of V1 NPP,
 - modifications to and adaptations of the plant, equipment and systems used in V1 NPP's decommissioning,
- radioactive, conventional and hazardous waste management,
- preparation of technical and procurement documentation for Phase 2 of the V1 NPP decommissioning projects.

In 2021, the key V1 NPP decommissioning project D4.2 “Dismantling of large primary circuit components” continued, with the main objective being to dismantle contaminated and activated equipment (reactor pressure vessels of both units, reactor internals, steam generators, main circulation pumps, main shut-off valves, primary circuit piping and other primary circuit process components) and cladding in the controlled area of the main V1 NPP production unit.

The implementation focused mainly on the continued operation of the dismantling, fragmentation and decontamination sites at V1 NPP.

Since June 2019, when the V1 NPP fragmentation and decontamination lines started operation, 2,003 t of contaminated metallic material has been treated, of which 885 t in 2021. Since decontamination, a total of 1,875 t of recoverable materials have been released into the environment, of which 791 t in 2021.

In 2021, the operation of the two wet cutting sites continued where the Unit 1 reactor pressure vessel's fragmentation and a substantial part of the Unit 2 pressure vessel's fragmentation was completed. Fragmentation of the reactor internals of one unit was also completed and the second set of reactor internals continued. All primary piping sections were fragmented and a large part of the primary piping was released into the environment. Removal of the cladding continued and the demolition of the activated concrete in the reactor shafts and also the dismantling of the “mogilnik” began. At the end of

2021, the fragmentation of the ninth steam generator was in progress. All technologies were dismantled from the hermetic areas of V1 NPP; the removal of the cladding has almost been completed. All activities are managed so that the wet cutting works are completed by June 2022.

Simultaneously with this project, the D4.4B “Dismantling systems in the V1 NPP control area - Part 1” project was successfully implemented and completed in March 2021. The implementation of Project D4.4C.01 “Dismantling of systems in the controlled area - Part 2, Sub-project D4.4C.01” and Project D4.1 “Plant modification and installation of new equipment” aimed at necessary modifications to the reactor building, auxiliary plant building for decommissioning and removal of dependence of the Interim Spent Fuel Storage facility on the decommissioned V1 NPP by constructing replacement facilities, continued.

Simultaneously to dismantling, the challenging process of processing and transporting the created radioactive waste, and the release of materials meeting the criteria for their release into the environment, was carried out.

Processing of periodic documents

In connection with the management of the V1 NPP decommissioning project according to the EU's requirements and Council Regulation (EURATOM) No. 1368/2013 of 13 December 2013, and the new Council Regulation (EURATOM) No. 2021/100 of 25 January 2021, which replaces the original Regulation, JAVYS, a. s. prepared the following periodic documents in 2021:

Monitoring reports for the Bohunice Programme (evaluation period 7 – 12/2020 and 1 – 6/2021)

Since 2015, regular bi-annual monitoring reports have been prepared to evaluate the progress of V1 NPP's decommissioning over the period under review. The Monitoring Committee uses such documents to compare the planned Detailed Decommissioning Plan's (DDP) objectives and the corresponding work plan with the results achieved during the reporting period.

Work plan for Bohunice Programme (for 2021 and 2022)

The document specified the objectives, planned data for the calculation of V1 NPP's decommissioning performance indicators and the timetable for the use of funds in the calendar year of 2021. The document will provide a basis for the EU to monitor the progress of V1 NPP's decommissioning for the calendar year 2021.

Monitoring and audit

In 2021, meetings between JAVYS, a. s. with the European Bank for Reconstruction and Development, the Slovak Innovation and Energy Agency and the European Commission were held via video conference due to measures to prevent the transmission and spread of COVID-19, except for the autumn monitoring mission, which was held in the standard way at the Bohunice, Mochovce and Bratislava sites due to the temporary improvement of the situation. The European Commission representatives held regular meetings in March and October 2021 to monitor the progress of V1 NPP's decommissioning.

Bohunice Programme

The V1 NPP decommissioning activities are co-financed by an EU funding programme to adopt measures associated with V1 NPP's decommissioning, namely by the Bohunice International Decommissioning Support Fund - V1 NPP (BIDSF). The financial support provided by BIDSF to decommission V1 NPP are allocated based on the grant agreement concluded between JAVYS, a. s. and the European Bank for Reconstruction and Development (EBRD). The signing of the agreements is preceded by the preparation of documentation for individual projects, when JAVYS, a. s., as a beneficiary of assistance from the BIDSF, first identifies individual projects, proposes the method of technical implementation and financing thereof, presents them to the Joint Committee of the SR and the EBRD, and finally defends them through the Programme Coordinator (ME SR) at the Assembly of Contributors to the BIDSF, which is held twice a year. By the end of 2021, JAVYS, a. s. and EBRD had jointly signed 18 grant agreements to finance the V1 NPP decommissioning project, for €484,913,200 in total.

In August 2016, the national V1 NPP decommissioning implementation plan by the Slovak Innovation and Energy Agency (SIEA) was launched. SIEA represents the parallel funding of V1 NPP decommissioning projects, supported by European Union (EU) funds, along with funding from the EBRD Implementing Partner (BIDSF). EU funding for the Bohunice Programme has been redistributed between the two implementing bodies since 2016. Cumulative EU funds of €222,210,000 were allocated to SIEA from the onset of its activities until 31 December 2021. €180,000 of the EU funds

thus allocated were used to carry out two audits. At the end of 2021 JAVYS, a. s. had 2 grant agreements signed with SIEA. In September 2017, a grant agreement for Project D4.4C.01 "Dismantling of systems in the V1 NPP controlled area - Part 2, Sub-project D4.4C.01" in the amount of € 26,296,000 was signed by JAVYS, a. s. and SIEA. In December 2019, another grant agreement for Project D4.7.01 "Decontamination and demolition of V1 NPP buildings and restoration of the site, Sub-project D4.7.01" in the amount of €159,363,000 was signed by JAVYS, a. s. and SIEA.

Projects awarded an EU grant in 2021

- Project A1.11 „11. PMU consultant stage
- Project D0 "Implementation of the decommissioning programme using the human resources available at V1 NPP Bohunice" (for 2022)

Costs and sources of funding of V1 NPP's decommissioning for the period 7/2011 - 2021 (€)

V1 NPP	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total 2011 - 2021
Costs Total (operating and investment)	26,070,182	46,307,673	44,523,089	67,078,417	51,745,947	45,853,912	54,175,036	79,068,141	74,914,253	61,387,600	67,093,142	618,217,392
Sources of funding												
NNF, including depreciation	7,835,280	7,868,682	17,556,993	19,482,985	17,821,832	17,216,178	17,312,759	16,526,358	18,632,371	20,833,705	21,385,889	182,473,032
BIDSF including D0 and depreciation	10,936,129	25,448,338	25,774,314	46,605,562	32,389,849	27,853,127	35,817,132	62,521,164	55,120,621	39,972,926	44,861,245	407,300,407
JAVYS, a. s.	7,298,773	12,990,653	1,191,782	989,870	1,534,266	784,606	1,045,145	20,619	1,161,261	580,969	846,008	28,443,953
Resources total	26,070,182	46,307,673	44,523,089	67,078,417	51,745,947	45,853,912	54,175,036	79,068,141	74,914,253	61,387,599	67,093,142	618,217,392
Of which: Slovak resources	15,134,053	20,859,335	18,748,775	20,472,855	19,356,098	18,000,784	18,357,904	16,546,977	19,793,632	21,414,674	22,231,897	210,916,984

% of Slovak funding of V1's decommissioning: 34%

Contracts concluded in connection with BIDSF projects in 2021

No contract with the Supplier was concluded in 2021.

Projects under implementation in 2021

Project code	Project name	The course of implementation
A1.10	PMU consultant (stage 10)	01/2019 – 03/2021
A1.11	PMU consultant (stage 11)	06/2021 – 06/2023
B6.6A	Decommissioning support surveys	03/2017 – 03/2022
C7–A4	Equipment for remelting of metallic RAW	09/2016 – 09/2022
D0	Implementation of the decommissioning programme using the human resources available at V1 NPP Bohunice	01/2020 – 12/2021
D4.1	Modification of the plant and installation of new equipment	02/2017 – 07/2022
D4.2	Dismantling of large primary circuit components	10/2017 – 06/2024
D4.4B	Dismantling of systems in the V1 NPP controlled area - part 1	09/2017 – 03/2021
D4.4C.01	Dismantling of systems in the V1 NPP controlled area - part 2, Sub-project D4.4C.01	08/2019 – 02/2025

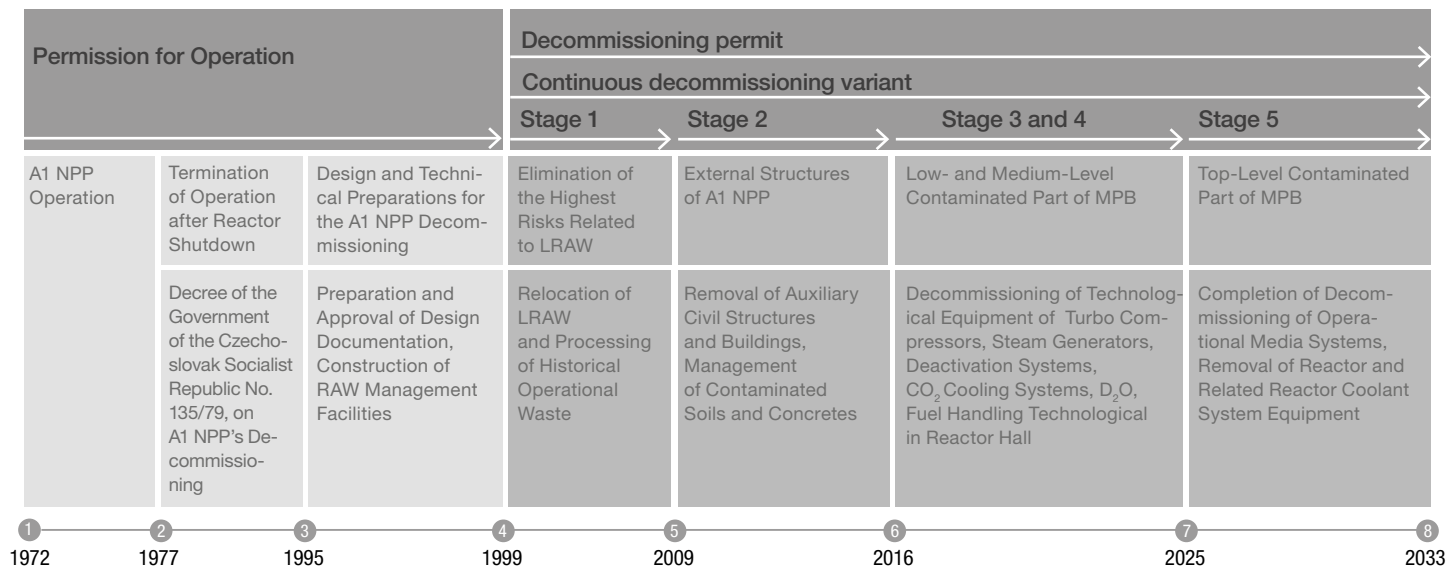
62 V1 NPP decommissioning projects had been completed by 31 December 2021, 7 projects were pending, and Project D4.7 was under procurement.

A1 NPP DECOMMISSIONING

A1 NPP is being decommissioned in compliance with the EIA proceedings, the approved national policy and the national spent nuclear fuel and radioactive waste management programme adopted in the Slovak Republic. The A1 NPP decommissioning project has been subdivided into five consecutive stages, with the completion date of Stage 5 being scheduled for 2033. Stage 1 of A1 NPP's decommissioning started in 1999 and was completed in 2009. It was followed by Stage 2 of A1 NPP's decommissioning in 2009, completed

on 30 September 2016 after all goals established in the documentation submitted for the permit, and approved by the governmental bodies, had been accomplished. The completed Stage 2 was followed by Stages 3 and 4 of A1 NPP's decommissioning that started on 1 October 2016, based on the licenses granted by Nuclear Regulatory Authority of the Slovak Republic and the Public Health Institute of the Slovak Republic, in compliance with the project documentation reviewed and approved by the governmental units.

A1 NPP DECOMMISSIONING TIMELINE



The ongoing Decommissioning Stages 3 and 4 at A1 NPP consist of dismantling the primary circuit technology, dismantling the technology previously used to prepare spent nuclear fuel for transport, dismantling the two steam generators, oil management in turbo-compressors, deuterium oxide management technology, CO₂ management, the cooling system and its technology in the primary circuit, and related and associated technology in the main production building

(A1 NPP), dismantling of technology and structures outside A1 NPP, stabilization and classification of contaminated soil, monitoring and bioremediation of ground water and infiltrated ground water. In parallel with the disassembly, decommissioned radioactive waste and previously used radioactive waste is processed as an integral part of the decommissioning process.

In accordance with the objectives of Stages 3 and 4 of A1 NPP's decommissioning, the following activities were implemented in 2021, in particular:

- fragmentation of 30 long-term SNF storage casings at A1 NPP left in the Slovak Republic after transferring the SNF from A1 NPP to the RF,
- vitrification of 2.0 m³ of Chrompik III medium, derived from the A1 NPP SNF long term storage casings, used as a SNF refrigerant during long-term storage,
- processing of 4.593 m³ of sludge phases and drainage water from MPB, on the SUZA line (mobile fixation equipment), with the production of 77 pcs of 200 l drums of fixed product,
- treatment of 74.33 m³ of sludge from the outdoor tanks of the sludge fixation facility, producing 821 pcs of 200 l drums of fixed product,
- continued dismantling of the technological devices of the reactor's primary circuit cooling equipment, the primary circuit, management of D2O, CO2 cooling system equipment, non-operational technological equipment located in the reactor hall, technological equipment related to the former hot chamber, technological equipment of service, storage and HVAC areas, and fragmentation and decontamination of large metallic materials in the reactor building,
- continued dismantling of the technological equipment of the primary circuit cooling system, equipment in the emergency condenser box and equipment of the steam generators PG3 and PG4 in the intermediate room,

- decontamination of the austenitic lining of the N1/2 and N1/3 liquid RAW tanks, excavation, removal of the ceiling and austenitic lining of the N1/4 tank,
- decontamination of exterior building structural parts, remediation, monitoring and classification of contaminated soils and concretes, monitoring and remediation of ground water and infiltrated ground water.

By continuous reduction of radioactive inventory by decontamination and dismantling of technological equipment, systems and building structures of decommissioned objects of A1 NPP and continued processing of RAW from decommissioned historically operational RAW, in 2021 JAVYS, a. s. implemented all planned activities of A1 NPP's decommissioning in accordance with the 2021 schedule of works, which was based on the Plan of Stages 3 and 4 of A1 NPP's decommissioning, approved by the relevant state administration authorities. The established plan of activities for 2021 in the field of A1 NPP's decommissioning, including RAW management from A1 NPP's decommissioning, has been fulfilled to the full extent and in compliance with the principles of nuclear safety, radiation protection, occupational health and safety, fire protection and environmental protection.

7.

RADIOACTIVE WASTE MANAGEMENT

The individual activities under radioactive waste (RAW) management were performed at the company's nuclear facilities specified below, and all requirements of nuclear safety, radiation protection, occupational health and safety, fire protection and environmental protection were complied with:

- **RAW PTT** – radioactive waste processing and conditioning technology in Jaslovské Bohunice,
- **FP LRAW** – final processing of liquid radioactive waste in Mochovce,
- **NRAWR** – National radioactive waste repository in Mochovce,
- **ISFSO** – Integral radioactive waste storage.

RADIOACTIVE WASTE PROCESSING AND TREATMENT

The key tasks in operating nuclear facilities, radioactive waste processing and treatment technology in Jaslovské Bohunice, and the final processing of liquid radioactive waste in Mochovce, consist of the management of radioactive waste produced during the decommissioning of A1 NPP and V1 NPP, the management of radioactive waste from the V2 NPP and EMO 1,2 nuclear power Units operated by energy provider Slovenské elektrárne, a. s., and non-nuclear radioactive waste management. Nuclear facility radioactive waste processing and treatment technology consists of Bohunice Radioactive

Waste Treatment Centre (BRWTC), bituminization lines, the low-activity water treatment plant, radioactive waste sorting facilities, fragmentation and decontamination facilities for metallic radioactive materials, and treatment facilities to process used HVAC filters and electric cables.

The nuclear facility's FP LRAW operates the equipment designed to process radioactive concentrates and spent resins produced during the operation of EMO 1,2.

Processed low-level radioactive waste is deposited and immobilised by cement in fibre-reinforced concrete containers and transported from RAW PTT and FP LRAW to the National radioactive waste repository operated by JAVYS, a. s. in Mochovce. RAW PTT processed 302 pcs and FP LRAW 102 pcs of fibre concrete containers with radioactive waste in 2021.



Summarized amounts of processed and conditioned radioactive waste, 2021

Nuclear facility	Type of radioactive waste (metric units)	Processed amounts
RAW PTT	Incinerable solid radioactive waste (tonnes)	104.042
	Incinerable liquid radioactive waste (m ³)	48.832
	Compactable radioactive waste (tonnes)	419.975
	Radioactive metals (tonnes)	360.298
	Liquid radioactive waste (m ³)	313.1
	Used HVAC filters (tonnes)	14.997
FP LRAW	Liquid radioactive waste (m ³)	126.754
	Solid radioactive waste (m ³)	97.631

RADIOACTIVE WASTE TRANSPORT

In 2021, there were 809 transports of radioactive materials in certified package forms: 200I MEVA drums, ISO containers, transport containers TC (transp. container) I/DOW, TC II/SLUDGE, TC III/BARRELS, TC/SC (storage container), TC/SC 2, transport container types: TK 080, TK 150, TK210 and FCC.

RADIOACTIVE WASTE DISPOSAL

The National radioactive waste repository in Mochovce was established to dispose of conditioned low-level waste (LLW) and very low-level waste (VLLW), and for institutional radioactive waste management and management of radioactive materials of unknown origin.

The repository consists of double-rows with disposal vaults designed for fibre-reinforced concrete containers filled with

conditioned low-level waste and transported from the RAW PTT and FP LRAW nuclear facilities. In 2021, 408 fibre concrete containers with radioactive waste were disposed of in the second double-row of disposal vaults.

Review of disposed FCC with LLW in the National radioactive waste repository in 2021

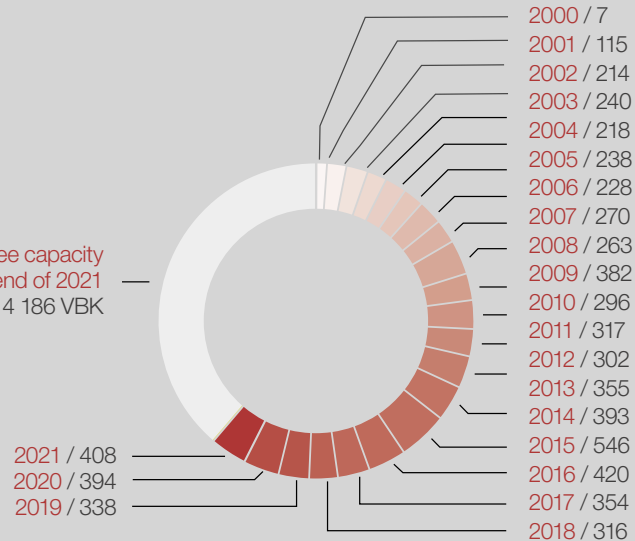
Deposited FCC with LLW in the National RAW repository (pcs)		Total number of disposed FCC with LLW in the National RAW repository (pcs)
RAW PTT	FP LRAW	
292	116	408

In 2021, 2140.6 m³ of VLLW were disposed of in the disposal vaults at the repository .

STORAGE CAPACITY OF NATIONAL RAW REPOSITORY USED FOR LLW AS OF 31 DECEMBER 2021

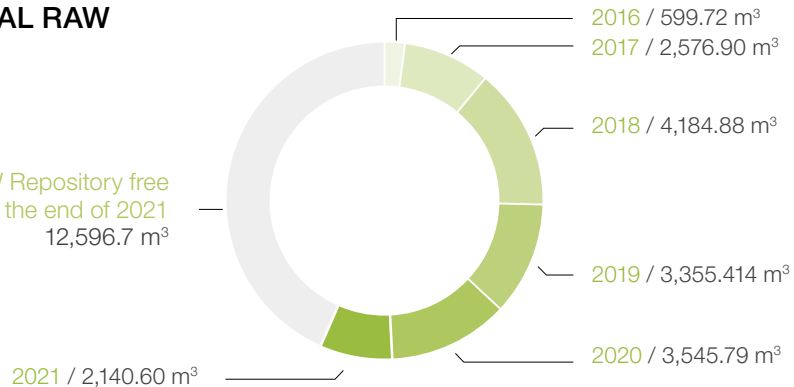
The total NRAWR capacity - 10,800
fibre-reinforced concrete containers

The NRAWR free capacity
as to the end of 2021
4 186 VBK



STORAGE CAPACITY OF NATIONAL RAW REPOSITORY USED FOR VLLW AS OF 31. 12. 2021

VLLW Repository free
capacity as to the end of 2021
12,596.7 m³



The total VLLW Repository
capacity – 29,000 m³

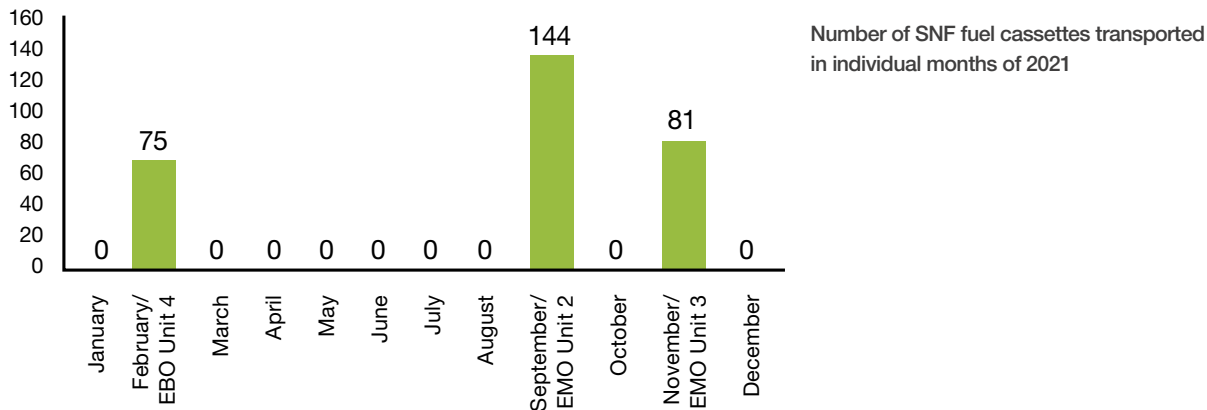
IRAW AND RADIOACTIVE MATERIAL OF UNKNOWN ORIGIN MANAGEMENT

JAVYS, a. s. is an organization authorized to handle fluorescent lights and radioactive waste of unknown origin, unused fluorescent lamps and radioactive materials. 8 sources of ionizing radiation of unknown origin were collected in 2021, namely parts of agricultural machinery or other sources of ionizing radiation. As for their contamination, radionuclide ^{60}Co (cobalt) was identified in most cases. Having identified the radioactive materials, these were transported for their further management to JAVYS, a. s.' nuclear facilities or to the IRAW and CRAM (collected radioactive materials) treatment centre in Mochovce. Moreover, 25.5323883kg of IRAW, including 0.1323883kg of nuclear material, was collected, transported and treated in 2021, based on contracts concluded with the individual IRAW producers. The IRAW producers were the St. Elizabeth Cancer Institute in Bratislava, Hospital and Health Care Centre Bojnice, and OSRAM a. s., Nové Zámky, the inventory of which included mainly used closed emitters.



8. SPENT NUCLEAR FUEL MANAGEMENT

Spent nuclear fuel (SNF) produced in the reactor units of Slovak nuclear energy facilities must reach the established parameters, then be transported and stored in JAVYS, a.s.' Interim Spent Fuel Storage at the Jaslovské Bohunice (ISFS) nuclear facility for an extended period of time. 300 cassettes with spent fuel were transported from V2 NPP and EMO NPP to ISFS in 2021. An overview of the number of SNF fuel cassettes transported in 2021 is shown in the following graph.

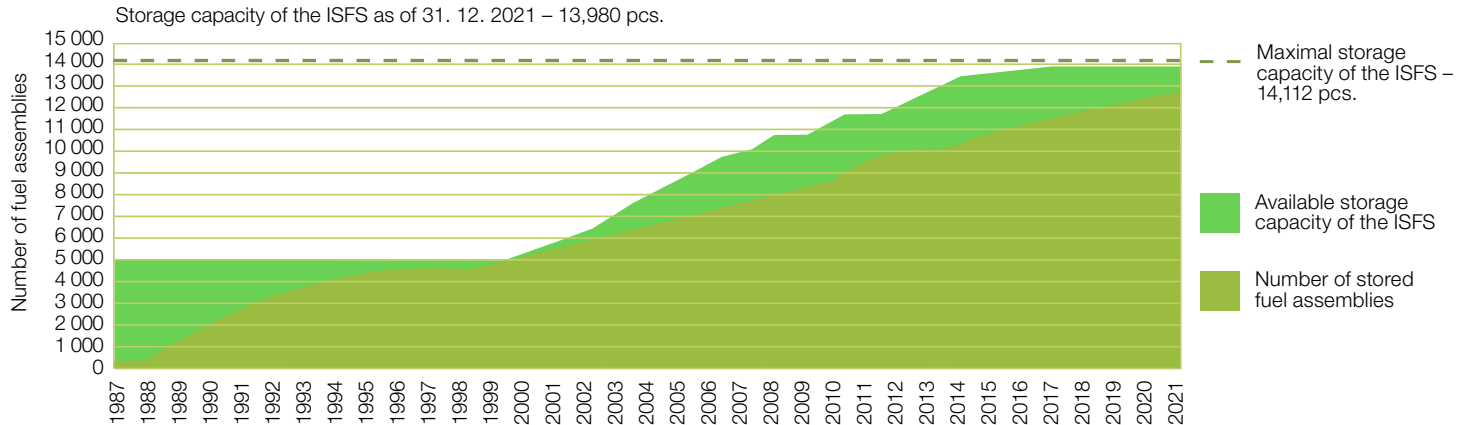


Spent nuclear fuel was stored in three of the four ISFS storage pools of the KZ-48 and T-13 type in 2021. The fourth pool was the reserve pool. A total of 13,308 pieces of SNF fuel cassettes

Spent nuclear fuel was stored in three of the four ISFS storage pools of the KZ-48 and T-13 type in 2021. The fourth pool was the reserve pool. A total of 13,308 pieces of SNF fuel cassettes were stored in the ISFS as of 31 December 2021, of which 5,143 pcs are in V1 NPP, 5,669 pcs are from V2 NPP and 2,496 pcs from EMO 1,2.

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Overview of the continuous filling of the ISFS with spent nuclear fuel as of 31 December 2021



As of 31 December 2021 there were 13,308 pieces of SNF stored in the ISFS NF, which represents 94.3 % of its maximum designed storage capacity. In view of the actual filling of the ISFS, JAVYS, a. s. has been implementing the investment project “Completion of the SNF storage capacity at the Jaslovské Bohunice site” since 2018 in accordance with the approved schedule. The expected date of commissioning of the first SNF storage module is planned by the end of 2023.

SAFETY

NUCLEAR SAFETY

Compliance with nuclear safety requirements is the priority of JAVYS, a. s., as declared in the policies and objectives specified in the most essential documents of the company's Integrated Management System.

The safety policy of JAVYS, a. s. is linked to the following company tasks:

- safe, reliable and efficient operation of nuclear facilities;
- safe and secure decommissioning of A1 NPP and V1 NPP in order to release the sites for industrial use;
- safe and secure treatment, conditioning, storage and disposal of radioactive waste from NPP, including institutional RAW and RMUO;
- reliable and safe management of spent fuel from nuclear energy facilities.

The legal requirements imposed in the Slovak Republic and by regulatory authorities which oversee nuclear safety were fulfilled for all operated and decommissioned nuclear facilities in Jaslovské Bohunice and Mochovce. In 2021, nuclear facilities were operated in compliance with the updated safety documentation in force approved by Slovak regulatory authorities, without violating the the Limits & Conditions applicable for the safe operation or decommissioning of nuclear facilities.

The operational safety of JAVYS, a. s.' nuclear facilities was assessed quarterly, by analysing operational safety indicators.

The results of the assessment confirmed the employees' professional work and the high reliability of applied technology. No operational event with a significant impact on safety was reported in the monitored period.

The employees were engaged in safety in 2021 through several activities, such as the Safety Culture Questionnaire, and participation in the first "Safety first" contest.

We conducted an international safety culture development study proposed by the European Commission in 2021. Two final reports summarized the assessment of the Safety Culture level at JAVYS, a. s., and compared the Safety Culture level at decommissioned nuclear energy facilities V1 NPP Bohunice, Ignalina and Kozloduy. It can be generally concluded that almost all studied fields were positively perceived by JAVYS, a. s.' employees, especially personal liability and safety awareness. Study outcomes served to define improvement recommendations which become the inputs for new tasks incorporated in the Safety Culture Action Plan 2022.

Inspectors of the Nuclear Regulatory Authority (NRA) of the Slovak Republic conducted 39 inspections at JAVYS, a. s. in 2021:

- 26 joint inspections for JAVYS, a. s.
- 4 inspections of V1 NPP NF
- 1 inspection of A1 NPP NF
- 1 inspection of RAW PTT NF
- 3 inspections of ISFS NF
- 1 inspection of IRAWs NF
- 3 inspections of NRAWR NF

The inspections were focused e.g. on compliance with the nuclear safety conditions and supervision requirements during the decommissioning of V1 and A1 NPP, RAW management at RAW PTT NF, IRAWs NF and FP LRAW NF, spent nuclear fuel storage at ISFS NF, RAW storage at NRAWR NF and transport of RAW and nuclear materials. Furthermore, the Nuclear Regulatory Authority examined special aeronautical activities, the physical protection system, performance of operational inspections, testing and maintenance of selected equipment, the system of training of the licensee's staff, and the system of training, practice and exercises in emergency planning. IAEA inspectors cooperated with EURATOM and NRA SR inspectors

in conducting 6 inspections of nuclear materials and inspecting the decommissioning stage of A1 NPP and V1 NPP in 2021.

The Nuclear Regulatory Authority (NRA) of the Slovak Republic issued 78 decisions in total for JAVYS, a. s. in 2021:

- 21 joint decisions for JAVYS, a. s.
- 6 decisions for V1 NPP NF
- 10 decisions for A1 NPP NF
- 17 decisions for RAW PTT NF
- 12 decisions for ISFS NF
- 2 decisions for FP LRAW NF
- 5 decisions for NRAWR NF
- 5 decisions for IRAWs NF

The most important decisions by the NRA SR in 2021:

Number	Subject-matter of the decision
R 14/2021	NRA SR licenses the early use of BIDSF structure D4.1 "Modification of the plant and installation of new equipment DCM 5294/2017 Construction of the ISFS bottling station and installation of piping routes for bottling of regeneration and decontamination solutions in the ISFS " until 31 July 2021.
R 52P/2021	NRA SR dismisses the appeal against the decision of NRA SR No. 330/2020 dated 1 December 2020 and confirms the decision of NRA SR No. 330/2020 dated 1 December 2020, which licenses the change in the use of the IRAWs NF structure in Bohunice . The change in use of the structure consists of changing the originally-approved active inventory of 8.41x10 ¹⁴ Bq to the projected inventory of 1x10 ¹⁸ Bq.
R 74/2021	NRA SR approves the rules of operation: 9-LAP-001 "Limits and conditions for the safe decommissioning of A1 NPP NF", volume 3 9-LAP-002 "Rationale for limits and conditions for safe decommissioning of A1 NPP NF", volume 3
R 76/2021	NRA SR licenses the modification of the completed structure " IPRIOO TMVD 20001 Completion of storage capacities of SNF ".
R 174/2021	NRA SR grants approval for the implementation of a modification affecting ISFS NPP NF within the scope of the project "Completion of storage capacities of SNF" .

Number	Subject-matter of the decision
R 179/2021	NRA SR licenses the early use of structure “I00TSVD20004 – Optimisation of RAW incineration capacities” until 31 December 2021.
R 203/2021	NRA SR approves the modified rules of operation 12-LAP-001 “Limits and conditions for the safe operation of NRAW NF”, volume No. 4, rev. No. 1 12-LAP-002 “Rationale for limits and conditions of safe operation of NRAW NF”, volume No. 4, rev. No. 1
R 212/2021	NRA SR approves the modified rules of operation: 11-LAP-001 “Limits and conditions for the safe operation of FP LRAW”, volume No. 2, rev. No. 2 11-LAP-002 “Rationale for limits and conditions of safe NF operation”, volume No. 2, rev. No. 2
R 280/2021	NRA SR grants approval for the implementation of a change affecting nuclear safety during the RAW PTT NF operation within the scope of commissioning and performance of active comprehensive testing (ACT) facilities remelting the metallic RAW PS37 and, according to section 4(2)(f)(2) of the Atomic Act, it approves the modification according to section 2(w) of the Atomic Act in documentation 10-BSP-001 – PoSR for RAW PTT NF , volume No. 3.
R 382/2021P	NRA SR dismisses the appeal and confirms decision No. 202/2021 , by which the NRA SR approved the implementation of a change affecting nuclear safety during the RAW PTT NF decommissioning within the scope of commissioning and performance of active comprehensive testing (ACT) facilities of the RAW PS45 incinerator and, according to section 4(2)(a)(11) of the Atomic Act, it approves the modified boundaries of RAW PTT NF within the scope of RoO 8-ZOZ-001 – Nuclear facilities of JAVYS, a.s. and their boundaries , volume No. 5, rev. No. 7 and, according to section 4(2)(f)(2) of the Atomic Act, it approves the modification according to section 2(w) of the Atomic Act in the following documentation: - 10-BSP-001 PoSR RAW PTT NF , volume No. 3 - 10-INF-001 – Concept plan of decommissioning of RAW PTT NF , volume No. 3 - 10-LPS-802 – Elimination of defective conditions , volume No. 2.
R 384/2021P	NRA SR dismisses the appeals and modifies decision No. 179/2021 of 23 June 2021 of the NRA SR, by which the NRA SR permitted the early use of structure “I00TSVD20004 – Optimisation of RAW incineration capacities” until 31 December 2022.

In 2021, JAVYS, a. s. recorded 6 operational events at its nuclear facilities, but none were subject to notification to regulatory authorities pursuant to the Atomic Act. All reported events were considered events without an impact on safety, according

to the International Nuclear Event Scale (it means they are not classified in INES). 5 events without any consequences were reported to the committee on nuclear safety, and 3 events from other nuclear facilities were analysed, in 2021.

RADIATION PROTECTION

All activities performed in 2021 - decommissioning of A1 NPP and V1 NPP, Bohunice radioactive waste treatment centre, Interim Spent Fuel Storage, Interim Storage of RAW at the Bohunice Site, final processing of liquid radioactive waste, and the National radioactive waste repository in Mochovce, were provided under radiation protection measures based on the decision issued by the Nuclear Regulatory Authority SR in force.

All activities where radiation protection measures apply are subject to radiation dose optimization prior to their approval, when ongoing and after their completion, according to the Slovak legal regulations in force, and the internal quality assurance system of JAVYS, a. s.

The systematic monitoring of radiation parameters was conducted in workplaces situated in the controlled areas of JAVYS, a. s.' nuclear facilities, operational monitoring and monitoring by authorities which focused on the received doses of workers and employees of the company's Suppliers in 2021. The integrated part of the inspections consisted of reviewing the compliance with the radiation protection guidelines and the ALARA principle in all performed activities.

One of the most closely and strictly monitored indicators of the level of radiation protection of the personnel in the controlled areas at JAVYS, a. s. is the maximum effective dose which exceeded neither the legally established dose of 20 mSv/year nor the internally approved limit value of 13 mSv/year.

Maximum individual effective dose E (mSv) in 2021

JAVYS, a. s.	KP-A	% of the limit	KP-V	% of the limit	KP-U	% of the limit	KP-R	% of the limit
Employees of JAVYS, a. s.	7.773	38.9	2.115	10.6	6.715	33.6	0.000	0.0
Suppliers	11.127	55.6	9.402	47.0	0.143	0.7	0.000	0.0

Explanatory notes:

KP-A Controlled areas in the decommissioned A1 NPP facilities, in facilities with RAW processing technologies and spent nuclear fuel storage in Jaslovské Bohunice

KP-V Controlled area of the decommissioned NPP V1 in Jaslovské Bohunice

KP-U Controlled area of the NRAW, FP LRAW and VLAW in Mochovce

KP-R Controlled area of the IRAW and CRAM in Mochovce

JAVYS, a. s. monitors and controls the impact the operation of its facilities has on the radiation exposure of citizens, by measurements taken near the city of Trnava and the town of Levice provided by the Environmental Radiation Laboratory, run by the electricity provider Slovenské elektrárne, a. s. Laboratories monitor the surroundings using the network of monitoring stations in three circuits near the nuclear facilities in the locality of Jaslovské Bohunice, and by collecting samples from the environment.

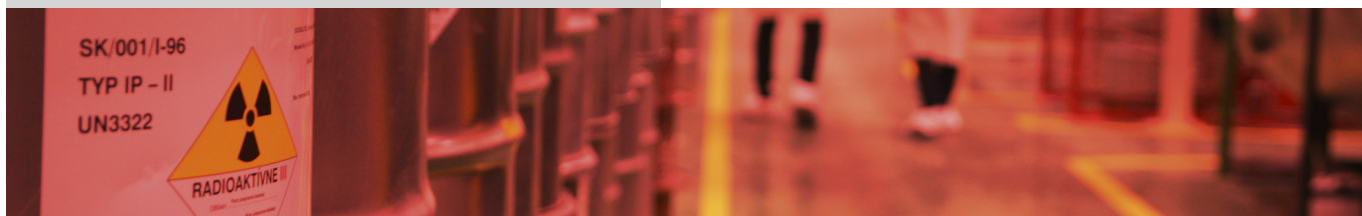
The results of analyses of almost 1500 samples of air, soil, water, vegetation and agricultural crops in 2021 showed the minimum environmental impact of the operational and decommissioned nuclear facilities.

The impact of the operation of JAVYS, a. s.' nuclear facilities on the population is expressed in terms of dose burden. It is determined for the representative person receiving the highest effective dose in a given year and the municipality (city) with the highest collective dose due to discharges from nuclear installations into the atmosphere and hydrosphere. Such dose is so low that it is indistinguishable from the natural background radiation and is therefore determined by calculation. The calculation is carried out by special software (ESTE AI) four times

a year, based on the amount of all radioactive substances actually released into the atmosphere and hydrosphere and the actual meteorological situation during the year. The software is updated twice a year, taking into account local conditions. The calculation uses internationally accepted models for the spread of radioactive substances and is approved by the state regulatory authority - the Public Health Authority (PHA) of the Slovak Republic. Its outputs are submitted to PHA SR in quarterly reports: "Analysis of radioactive discharges from the premises of JAVYS, a. s., Jaslovské Bohunice".

The maximum calculated values of individual effective doses E for 2021 in the inhabited area are at the level of 0.04 % (0.013 μSv) of the annual exposure limit of 32 μSv for a representative person. The area with the highest collective dose is the town of Trnava, which reaches a level of 89.5 man μSv in 2021.

The calculated values of individual effective doses and collective dose are an order of magnitude lower than the radiation burden of the population caused by natural background (2,420 μSv in the Slovak Republic) and medical diagnostic examinations.



EMERGENCY PLANNING AND CIVIL PROTECTION

All legally imposed requirements in Slovakia in the field of emergency planning and civil protection were fulfilled in 2021. JAVYS, a. s. runs a functional emergency response team, competent to solve extraordinary events at nuclear facilities and during the transport of radioactive material. Throughout the year, emergency drills and employees' training were regularly organized at all nuclear facilities and during transports of radioactive materials.

The emergency response preparedness of JAVYS, a. s. in Jaslovské Bohunice was tested by the emergency drill AGÁT 2021 which covered the entire site, and focused on solutions for rare events which may occur at nuclear facilities. All employees of JAVYS, a. s. and all individuals present at the nuclear facilities in Jaslovské Bohunice at the time of the complex emergency drill, the employees of Suppliers included, participated. 687 persons participated in the exercise, of which 376 were employees of JAVYS, a.s. In percentage terms, 74 % of the total number of employees of JAVYS, a.s. working at the Bohunice site as of 22 September 2021 participated in the drill. The emergency response team proved its reliability and efficiency during emergency drills and expert trainings.

In order to ensure emergency planning and civil protection, JAVYS, a.s. has prepared the following documentation in accordance with legislative requirements, which has been continuously updated in 2022 in accordance with organisational changes at JAVYS, a. s. and legislative changes:

- 8-PLN-001 - Health Measures Plan of JAVYS, a. s.,

- 8-PLN-002 - Internal emergency plan for NF JAVYS, a. s., at the Bohunice site,
- 8-PLN-016 - Shelter and evacuation plan of JAVYS, a. s.,
- 8-PLN-017 - Emergency transport schedule - RM railway transport,
- 8-PLN-018 - Emergency Transport Regulations - RM road transport,
- 11-PLN-001 - Internal emergency plan of FP LRAW NF,
- 12-PLN-001 - Internal emergency plan of NRAW NF,
- 16-PLN-001 - Internal emergency plan of IRAWS NF.

The following hazard areas are currently approved by the Nuclear Regulatory Authority of the Slovak Republic for the nuclear facilities of JAVYS, a. s.:

- common hazard area for V1 NPP, A1 NPP, RAW PTT and ISFS at the Bohunice site defined by the NF guarded area barrier of JAVYS, a. s. at the Bohunice site, approved by the decision of the NRA SR No. 719/2014 of 26 September 2014;
- the hazard area of NRAW NF at the Mochovce site defined as the area within the nuclear facility's boundary, which is defined by the guarded area barrier, i.e. the NRAW fence at the Mochovce site, approved by the decision of the NRA SR No. 66/2017 of 20 February 2017;
- the hazard area of FP LRAW NF at the Mochovce site is defined as the area within the nuclear facility's boundary of Slovenské elektrárne, a. s., NPP Mochovce, the plant, which is defined by the guarded area barrier of the nuclear facility, approved by the decision of the NRA SR No. 5/2007 of 8 January 2007;
- the hazard area for IRAWS NF is defined by the guarded area barrier of the nuclear facilities of JAVYS, a. s. at the Bohunice site, approved by the decision of the NRA SR No. 381/2017,

which entered into force and became enforceable on 10 October 2017.

The analyses, based on which the hazard areas were determined, have shown that the operation and decommissioning of the NF of JAVYS, a. s. at the sites of Jaslovské Bohunice and Mochovce have a negligible impact on the population and the environment in the vicinity of the nuclear facilities.

OHS AND FIRE PROTECTION

The main focus of occupational health and safety is to identify risks and hazards, monitor detected circumstances and eliminate them as much as possible.

In the field of occupational health and safety and fire protection, in 2021 JAVYS, a. s. continued with its previously started positive tendency. In 2021, JAVYS, a. s. defended the internationally renowned certificate pursuant to standard ISO 45001:2018, granted by DNV GL. The renewal of the certificate confirms that the occupational health and safety management at JAVYS, a. s. complies with the high criteria and requirements specified by the ISO standard.

In October 2021, the National Labour Inspectorate awarded JAVYS, a. s. with the title “Responsible Employer” based on the fulfilled criteria and the proposal by the programme Steering Committee. The title is supplemented by a golden plaque with the inscription “Responsible Employer” on it, and the entitlement to use the logo for five years (the title’s validity). The title confirms that JAVYS, a. s. introduced an efficient employee care system, workplace conditions, secured occupational health and safety (OHS), and responsibly approaches compliance with the legally imposed obligations.

No occupational injuries were registered at JAVYS, a. s. in 2021. There were three recorded occupational injuries.

There were no occupational diseases, or fire, in 2021. Two injuries suffered by Suppliers’ employees were recorded in the monitored year 2021; these were investigated, recorded or registered as occupational injuries in the company of the respective Supplier.

Occupational injuries and diseases in risky workplaces were prevented by inspections and suitably allocated personal protective equipment in line with the operational guidelines and risk assessment reports.

One of the main indicators to illustrate the occupational health and safety in the company is the indicator “injury frequency”, i.e., the ratio of the number of registered injuries and the average number of company employees, which equalled 0 in the monitored period.



10.

ENVIRONMENTAL PROTECTION

Environmental protection and minimization of the impacts of activities carried out by employees and Contractors is important for JAVYS, a. s. as a part of the “Safety” process of the integrated management system. Its responsible approach to the environment is also ensured by continuous monitoring of all legal requirements in individual environmental protection areas (water, air, waste, nature and landscape protection, etc.) and implementation thereof in the company’s internal documentation. JAVYS, a. s. fulfilled and continues to comply with the conditions established in the decisions issued by the governmental bodies responsible for the individual environmental protection areas.

During the implementation of investment and A1 NPP and V1 NPP decommissioning projects, the activities are performed by Contractors and therefore the Safety and Technical Conditions of JAVYS, a. s., which are a part of the contract, strictly specify the requirements for their activities. Environmental aspects of supply activities are also identified and managed.



The commitment of JAVYS, a. s. to comply with and apply the requirements of ISO 14001:2015 “Environmental Management Systems” within an integrated management system has been verified by the auditing company DNV GL. There was a recertification audit in 2021, the outcome of which is the certificate confirming the functionality and efficiency of the system and, at the same time, the demonstration of suitable environmentally sound performance of JAVYS, a.s. when implementing its activities and services, in compliance with the environmental policy and goals. The audits and inspections by regulatory

authorities did not detect any non-conformities in any environmental protection area. The internal audits observed improvement possibilities in certain areas, which stimulate the continuous improvement and provision of Integrated Management System processes.

WATER MANAGEMENT SYSTEM

In 2021, 53,838 m³ of drinking water was consumed (sites Jaslovské Bohunice, Bratislava, Mochovce). The year-on-year increase in drinking water consumption by 3,376 m³ (6.7%) was caused by relocation of the company’s headquarters from Bratislava to Jaslovské Bohunice and a higher number of employees of Contractor organisations working on individual pro-

jects related mainly to A1 NPP's and V1 NPP's decommissioning. The consumption of cooling water reached 314,517m³ in 2021, i.e. it was 2.4% higher than in 2020. Higher consumption of both drinking water and cooling water resulted in a 3.06% increase in water costs.

In 2021, 443,965 m³ of wastewater was discharged into the River Váh, which is an increase by 0.89% compared to the previous year. The quality of wastewater discharged into the River Váh, verified by analyses in an accredited laboratory, was below the set limits, so we can assess the quality indicators of wastewater discharged into the Váh receiving water as being met. No wastewater was discharged into the River Dudváh, only surface runoff. At the Mochovce site, only water from precipitation accumulated in a retention reservoir is discharged into surface waters - the Telinský potok stream.

AIR PROTECTION

In 2021, JAVYS, a. s. operated air pollution sources in two categories – 5 medium sources (reserve boiler house, diesel generators) and 1 small source (production of fibre-reinforced concrete mix). Given the nature of the sources' operation in emergency mode (except for the small source), the total emissions emitted from all medium-sized sources are very low, and there is no obligation to pay air pollution charges. The municipality of Jaslovské Bohunice has set a fee of €18.36 per year for the operation of the small source. In 2021, the following air pollutants were emitted at lower levels than in 2020: particulate matter – 35.836 kg, SO₂ – 0.111 kg, NO_x – 24.903 kg, CO – 5.417 kg, C_{org} – 0.712 kg, CO₂ – 20 t (a drop by 5t compared to 2020).

WASTE MANAGEMENT

The production of waste in the categories “other” and “hazardous” depends on the scope of activities carried out during nuclear facility operations, decommissioning works at A1 NPP and V1 NPP, and implementation of investment projects. The disposal and recovery of waste generated by the operation of nuclear facilities, maintenance and support activities falls within the responsibility of JAVYS, a. s. In the case of Contractor activities, including the implementation of BIDSF projects, the disposal and recovery of generated waste is arranged by means of a contract with the relevant Contractor.

The total amount of non-reactive waste generated in 2021 by both BIDSF and non-BIDSF projects was 345.539 t.

The generated waste was categorised as:

- 228.611 t of other waste outside BIDSF projects and 63.19 t within BIDSF projects,
- 12.822 t of hazardous waste outside BIDSF projects and 2.202 t within BIDSF projects,
- 38.714 t of municipal and biodegradable waste.

The costs incurred for waste disposal and recovery outside BIDSF projects amounted to €56,023.22 in 2021.

The following recoverable metallic materials and electro-waste were generated and handed over for material recovery (revenue of € 1.45 million):

Recoverable material	Weight (t)
Thin Fe < 6 mm	1,471.320
Concrete reinforcement	27.015
Stainless steel, Ni over 10%	448.120
Content of Al > 99.5%	18.601
Content of Cu > 99.5%	10.331
Iron scrap contaminated with concrete	90.380
Other copper, Cu content less than 95%	38.040
Lead 99.9%	6.600
Stainless steel, Ni less than 10%	45.240
Total weight (t)	2155.647

Waste management in 2021 was carried out in accordance with the legal requirements of the Slovak Republic and the company's internal regulations.

ENVIRONMENTAL IMPACT ASSESSMENT

The environmental impact assessment is governed by Act 24/2006 Coll. on Environmental Impact Assessment, and on amendments and supplements to certain Acts, as amended, adopted by the National Council of the Slovak Republic. The provisions of the Act were implemented into Directive BZ/OŽ/SM-04 Environmental Impact Assessment (EIA).

In 2021, the mandatory assessment proceeding continued in compliance with Act 24/2006, Coll., for the Optimization of Processing Capacities of JAVYS, a. s., Radioactive Waste Processing and Treatment Technologies at the locality of Jaslovské

Bohunice site with the Ministry of Environment of the Slovak Republic issuing its approval of the investment activity (April 2021). A remonstrance was filed for this final decision, and the case file was transferred to the Appellate Body at the Ministry of Environment SR. The latter means the EIA process was not concluded in 2021. This is the most time-consuming process in terms of time and public participation, which began on 5 February, 2018 with the submission of the investment activity.

The second proceeding, namely the screening to approve the change to the investment activity called "Reconstruction of chemical water treatment process to obtain demineralized service water", was also governed by Act 24/2006 Coll. The notification of changes to the investment activity was submitted to the Ministry of Environment SR in July 2021. The decision issued during the screening stage ruled that the changed investment activity would not be further evaluated by the MoE SR. The decision was issued on 25 October 2021 and came into force on 25 November 2021.

The implementation and operation of activities that were assessed in compliance with the Environmental Impact Assessment Act is conditioned by proven compliance with the Final Decision in the EIA proceedings, or with the decision issued during the discovery stage of the proceedings. Such compliance is proven by means of a written evaluation of the conditions stipulated in the final decision by MoE SR, or the conditions specified in the decision issued during the screening stage of the proceedings and by attaching it to the application for the permit.

During the course of 2021, a written assessment of compliance with the conditions of the final opinions on the permitting procedures was prepared:

1. **BIDSF D4.1 “Modification of the energy plant and installation of new equipment”** - DCM 5293/2017 Modification of the discharge of contaminated water from the ISFS - for the issuance of the permit for commissioning and the approval decision
2. **“Change of use of building 760-II.3,4,5:V1 – storage facilities for metal surface contaminated material within the project “Reconstruction and relocation of technological equipment to building 760-II.3,4,5:V1”** - for the issue of the permit for the issuance of the alteration permit for the completed construction for stage 1 of the project’s implementation
3. **“I00TSVD2004 Optimization of RAW incineration capacities”** - for the issuance of a permit for early use of the structure

In all binding opinions, the MoE SR confirmed the compliance of the permission procedures with Act No. 24/2006 Coll. and the decisions issued pursuant to such Act.

In connection with implementation of the assessed activities, JAVYS, a.s. is obligated to carry out a post-project analysis, the results of which demonstrate that all assessed activities have been implemented in accordance with the Environmental Impact Assessment Act and the decisions issued under such act.



INTERNATIONAL ACTIVITIES

The conditions and opportunities of commercial projects of international radioactive waste (RAW) management using treatment technologies substantially changed for JAVYS, a. s. in 2021. The National Council of the Slovak Republic approved Act 388/2021 Coll. on 06.10.2021 after a complicated discussion with the involvement of the general public. The ratified Act banned the incineration of foreign RAW in the Slovak Republic. However, the Act allowed us to complete already concluded contracts.

The highest demand on the market is for RAW incineration, because it is the most efficient waste treatment method. The list of commercially offered services was reconsidered after the Act was adopted. We directed our attention to consultancy services to provide our expertise and experience gained over the years of decommissioning nuclear facilities (NPP) with radioactive waste (RAW) and spent nuclear fuel (SNF).

The second aspect which impacted the commercial activities in 2021 was the ongoing complicated situation caused by the COVID-19 pandemic.

The activities contracted under eight signed contracts were performed in 2021. JAVYS, a. s. treated RAW provided by company ČEZ, a. s. from NPP Dukovany and NPP Temelín with a high-pressure compactor. The most significant progress was observed in the project regarding treatment of spent resins and sludge from the Italian NPP Caorso. After the miles-

tone was reached, the transport of RAW from NPP Caorso to Jaslovské Bohunice started in 2021. There were 14 transports in total. At the same time, this waste was processed in processing facilities (pre-treatment facility for solid RAW and BRWTC incineration plant). 16 final products were produced from the treated RAW. We are conducting this project in a joint-venture company founded with the Italian company Ansaldo New Clear. The second part of institutional RAW out of three in total was treated based on the order by NUCLECO, S. p. A. Previously treated secondary waste (ash and sorted non-incinerable institutional RAW) was delivered to Ecker&Ziegler, A.G. in Spring 2021. JAVYS, a. s. kept providing technical support and emergency response organization activities to DMS, spol. s r. o. to transport nuclear fuel to Slovakia for operated NPPs. We completed the project and safety documentation for the modernization of RAW treatment lines in a joint-venture company founded by Spanish company Ingeniería y Dirección de Obras y Montaje and Bulgarian company ATP Atomtoploproekt, Ltd., in NPP Kozloduy for the client SERAW (a Bulgarian company). The SERAW company approved the documentation submitted to the Bulgarian Nuclear Regulatory Authority. The submitted documentation was approved by the authority on 18.10.2021. The three-year-long project contracted by the EC provided consultancy on chemical, biological and radioactive waste management to ten countries in south-eastern Europe and the Caucasus. We are delivering this project in a joint-venture company with 5 partners (Sustainable Criminal Justice Solutions CIC Limited, International Institute of Security and Crisis Management, the UK Health Security Agency, VERTIC and Cranfield University). The following was proces-

sed for JESS, a. s., in 2021: Decommissioning Plan Report on decommissioning methods and a Report on RAW and SNF treatment methods. These will be incorporated in the zoning permit request for a new source of nuclear energy at Jaslovské Bohunice.

Despite our successful qualification, the assessment of the project documentation and operational manual for the repository of low-level and intermediate-level waste under construction in Australia has not yet started. JAVYS, a. s. is participating in this project with German company BGE Technology GmbH. Both companies are subcontractors of the Australian company Coffee.

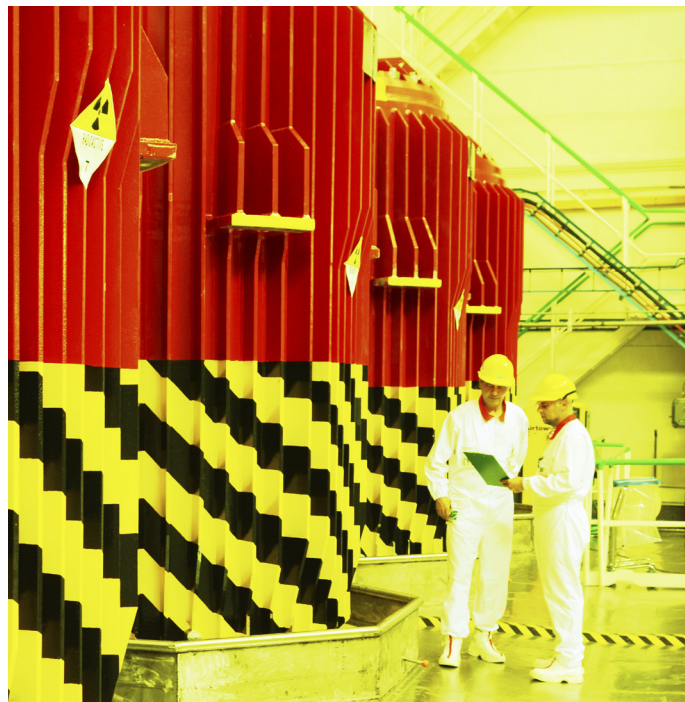
With restricted opportunities for commercial activities, JAVYS, a. s. participated for the first time in the preparation of the research project HARPERS financed by the EC under the Euratom Programme. The HARPERS project maps the value added at the higher level of harmonized RAW treatment legislation, identifies obstacles and challenges which prevent the implementation of the common EU regulatory framework, and provides solutions on how such obstacles could be removed.

From 30 November to 02 December 2021, JAVYS presented its services for the second time at its stand at the World Nuclear Exhibition NE2021 fair in Paris. The exhibition presented and analysed how JAVYS cooperates with several companies in multiple consultancy projects.

The value of services contracted with JAVYS, a. s. in implemented projects reached EUR 40.8 million, and the total value of the projects is EUR 57.3 million.

Not only do the projects benefit JAVYS, a. s. by increasing its

profits, they are also future references and provide opportunities for employees' professional growth when they participate. They direct the company towards further growth as a company well-positioned in an important market segment dedicated to the nuclear energy industry.



COMPANY FINANCIAL STATEMENT

REPORT ON BUSINESS ACTIVITIES AND ASSETS

JAVYS, a. s. (Nuclear and Decommissioning Company) is a joint-stock company, 100% state-owned, with the Ministry of Economy SR as its shareholder. JAVYS, a. s. is committed to performing activities in line with the approved National policy and the National SNF and RAW management programme, especially to safely, reliably, economically and efficiently decommission nuclear energy facilities A1 NPP and V1 NPP, to provide services associated with spent nuclear fuel treatment, radioactive waste treatment through the optimum use of the existing processing capacities at RAW PTT, and to providing related maintenance services. JAVYS, a. s. provides additional services to third parties based on the concluded service and lease agreements.

JAVYS, a. s. has been included in the public administration sector since July 2016. Its business activities are influenced by the respective legal regulations in force.

As of 31 December 2021, the pre-tax company earnings reached €5,383,173, and the taxed earnings reached €3,323,925. The operating net earnings reached €9,258,407.

The main activities of JAVYS, a. s. in 2021 were financially supported by the National Nuclear Fund, BIDSF, SIEA, and incomes and revenues obtained from commercial activities.

According to the contract with the NNF, the maximum and the limit amount of funds for individual applications was set at € 77,272,023 for 2021.

The NNF non-investment funds were disbursed in 2021 as follows: € 57,915,847 (from the 2021 NNF budget: € 58,435,234 and from the 2022 NNF budget: € -519,387.) The NNF 2021 budget will reimburse non-investment funds of € 1,180,133 for performances made in 2020 based on requests for funding for 2020.

The amount of € 10,847,142 was used from the investment funds in accordance with the 2021 contract with NNF (from the NNF 2021 budget: € 10,845,276 was used and from the NNF 2022 budget: €1,866 € was used). From the NNF 2021 budget, of €1,208 from the investment funds was used for performances made in 2020 based on requests for funding for 2020. From the BIDSF and SIEA funds for projects related to V1 NPP's decommissioning, the company received funds in the total amount of €32,221,393 in 2021, of which € 21,813,803 was for the operational part, € 2,819,024 for the investment part, and € 7,571,795 for the decommissioning programme's implementation using the human resources available in the V1 NPP project BIDSF D0 "Implementation of the decommissioning programme using the human resources available in V1 NPP", of which €7,438,044 was used for the operation and €133,751 for the investments.

The company's revenues and income from commercial activities represent revenues and income from the commercial management of RAW and SNF, other revenues from concluded service and lease contracts, and revenues from the sale of recoverable unusable assets from the decommissioning of A1

NPP and V1 NPP. In 2021, the company reported € 28,245,283 of total sales and revenues from own performances, of which direct revenues for transport, storage and processing of RAW and for processing of SNF for V1 NPP, V2 NPP and EMO 1, 2 NPP amounted to € 16,636,681, and maintenance services amounted to € 306,403. The company generated revenues in the amount of € 2,519,084 from the activation of materials and tangible fixed assets (TFA); revenues from the sale of recoverable unusable assets from A1 NPP's and V1 NPP's decommissioning amounted to € 1,033,469; and revenues from leases, other contracts and other performances of JAVYS, a. s. amounted to € 7,749,646.

The Company's cost of production consumption in 2021 was recognised in the amount of €60,383,807. Actual personnel costs were reported at €35,364,340 (of which €32,018,638 represented salary costs and €3,345,702 corresponded to the settlement of the 2020 provision for employee benefits and the replenishment of the provision for future employee benefits), the accounting depreciation of fixed assets and allowances for fixed assets amounted to €16,740,653 (total depreciation of tangible and intangible fixed assets amounted to €21,057,103 and the allowances for assets amounted to €4,316,450).

As of 31 December 2021 the company had total assets in the amount of € 1,196,655,341. 1, of which intangible intangible fixed assets amounted to € 734,888 and tangible fixed assets of the company amounted to € 159,071,319. Fixed financial assets were recognised in the amount of €104,326,061. These assets are linked to the contribution to the company JESS established in 2009 as a joint venture of JAVYS and ČEZ Böhunice. The value of the financial assets was revalued as of 31

December 2021 based on the reduction of JESS' equity by € 898,154.

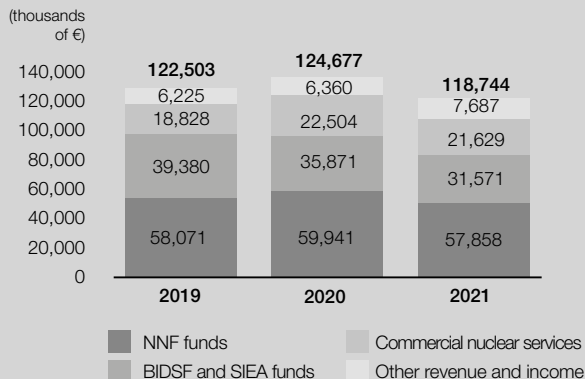
The largest item of the Company's liabilities as of 31 December 2021 were provisions for the decommissioning and disposal of A1 NPP and V1 NPP, provisions for the decommissioning and disposal of non-energy facilities, and provisions for future employee benefits (severance pay and severance pay in accordance with the Collective Agreement). Provisions totalling € 840,046 were shown as of 31 December 2021. Part of the provisions amounting to €599,249,432 are the provisions for the decommissioning and disposal of A1 NPP and V1 NPP. This part of the provisions is covered by receivables from NNF, BIDSF and SIEA.

The value of the company's equity as of 31 December 2021 amounted to € 213,506,590, which represents 17.84% of the company's total assets.

Company earnings were reported in the financial statement reviewed and approved by an independent auditor without any comments.

STRUCTURE OF OPERATING REVENUE AND INCOME BY SOURCES OF FUNDING

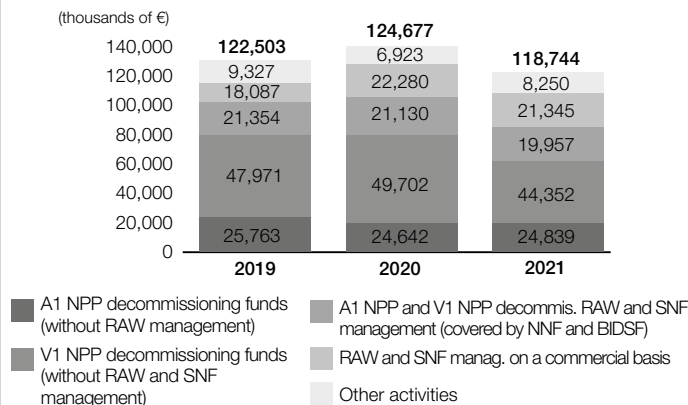
	TEUR		
	2019	2020	2021
NNF funds	58,071	59,941	57,858
BIDSF and SIEA funds	39,380	35,871	31,571
Commercial nuclear services	18,828	22,504	21,629
Other revenue and income	6,225	6,360	7,687
Total:	122,503	124,677	118,744



STRUCTURE OF OPERATING REVENUE AND INCOME BY ACTIVITIES

The NNF funds also include funds provided for the reimbursement of costs for the management of RAW from A1 NPP's and V1 NPP's decommissioning and the costs of storage of SNF from V1 NPP.

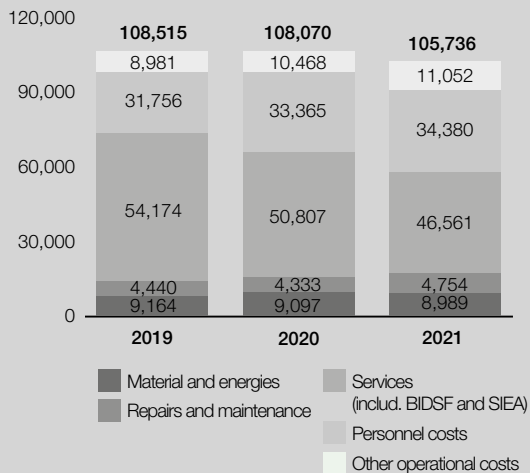
	TEUR		
	2019	2020	2021
A1 NPP decommissioning funds (without RAW management)	25,763	24,642	24,839
V1 NPP decommissioning funds (without RAW and SNF management)	47,971	49,702	44,352
A1 NPP and V1 NPP decommissioning RAW and SNF management (cov. by NNF and BIDSF)	21,354	21,130	19,957
RAW and SNF management on a commercial basis	18,087	22,280	21,345
Other activities	9,327	6,923	8,250
Total:	122,503	124,677	118,744



OPERATING COST STRUCTURE

	TEUR		
	2019	2020	2021
Material and energies	9,164	9,097	8,989
Repairs and maintenance	4,440	4,333	4,754
Services (including BIDSF, SIEA)	54,174	50,807	46,561
Personnel costs	31,756	33,365	34,380
Other operating costs	8,981	10,648	11,052
Total:	108,515	108,070	105,736

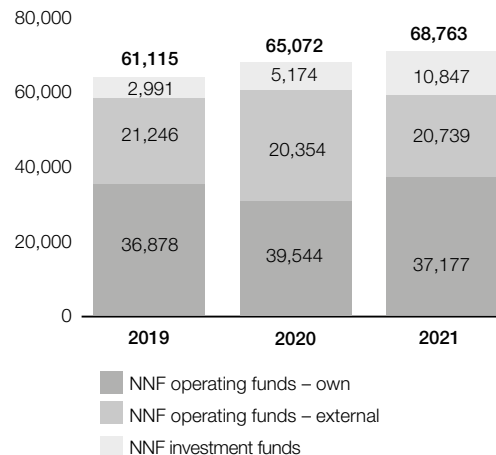
(thousands of €)



USE OF NNF FUNDS

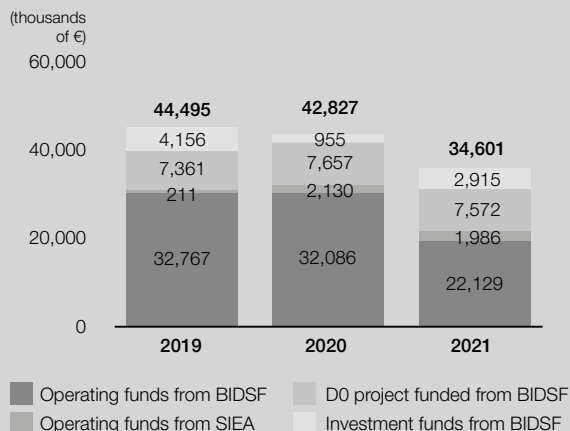
	TEUR		
	2019	2020	2021
NNF operating funds – own	36,878	39,544	37,177
NNF operating funds – external	21,246	20,354	20,739
NNF investment funds	2,991	5,174	10,847
Total:	61,115	65,072	68,763

(thousands of €)



USE OF BIDSF AND SIEA FUNDS

	TEUR		
	2019	2020	2021
Operating funds from BIDSF	32,767	32,086	22,129
Operating funds from SIEA	211	2,130	1,986
D0 project funded from BIDSF	7,361	7,657	7,572
Investment funds from BIDSF	4,156	955	2,915
Total:	44,495	42,827	34,601



PROCUREMENT

After amendment, the Annual Procurement Plan, as the starting material for awarding contracts, summarizing the requirements of the professional departments of JAVYS, a. s., showed 116 items with a total estimated value of € 22.3 mil. excl. VA in 2021.

In 2021, 217 contracts were concluded as a result of procurement procedures under the Public Procurement Act No. 343/2015 Coll. or procedures under the internal directive of JAVYS, a. s. The total value of the contracts concluded was more than €17.5 million, excluding VAT. The largest share of this amount was accounted for by two contracts for the supply of personal protective equipment and work equipment (a total of € 3.7 million excl. VAT), a contract for the repair of machinery (almost € 1.5 mil excl. VAT), and a contract for cleaning services (EUR 1.2 million excluding VAT).

In terms of commodities, service contracts accounted for the largest financial volume (almost 70%), followed by goods contracts (almost 30%). Construction contracts accounted for the smallest share (less than 2%).

According to the type of costs, operating contracts accounted for more than 90% of the total financial volume of all contracts concluded in 2021. Contracts for capital projects accounted for almost 8% and contracts for the supply of investment assets not included in investment projects (IANIPs) accounted for less than 2%.

TRADE AND SERVICES

JAVYS, a. s.' business activities in 2021 complied with its business line and focused especially on:

- **Services of radioactive waste management and spent nuclear fuel management.** The provision of services in this area involves the collection, treatment and storage of radioactive waste and the management of spent nuclear fuel. The main business partner in this area is the company SE, a. s.
- **Services and other activities to secure nuclear safety, radiation protection and reliable operation.** JAVYS, a. s. provides services necessary to ensure the safe operation of a nuclear energy plant, in particular personnel training for nuclear energy installations, personal dosimetry and radiation protection, instrument calibration, services related to the sharing of facilities, emergency planning and preparedness services, transportation services, steam supply, and the rental of non-residential premises and equipment for SE, a. s.
- **Rental of residential and non-residential areas and related services.** The leasing of real estate and non-residential premises is provided on a commercial basis to current Suppliers of works and services to JAVYS, a. s., and also to entities not in a Supplier relationship with JAVYS, a. s. The leased properties are primarily used as offices, locker rooms, warehouses, assembly halls, apartments and grocery sales areas. The rented land and areas are primarily used for parking.
- **Sales of unnecessary decommissioned property, rateable material and stock.** JAVYS, a. s. takes an active approach to the sale of redundant decommissioned assets,

recoverable material from the NPP decommissioning and unneeded inventories. Sales are made by means of public tenders, framework contracts or purchase orders (e.g. the sale of demineralised water).

- **Other services.** Within its business activities, JAVYS also provides other services. These include mainly the collection, transport, processing and storage of IRAW, training and expert consultations, dosimetry services, transport services, water, heat and electricity supply, etc.

Total income incurred by the commercial activities in 2021 listed above reached EUR 27,319,866.13, VAT excluded. The income obtained from other services, sales of unnecessary decommissioned property, rateable material and stock reached EUR 9,757,962.57, VAT excluded, in 2021. The rental income from immovable property reached EUR 611,419.16 in 2021.

Logistics

Despite the complicated supply situation of selected commodities, 99.79% of deliveries were secured in 2021, i.e. 4,794 material items were ordered, of which 4,784 items were delivered. In 2021, goods worth €2,644,683.41 were received and goods worth €2,694,785.54 were released for consumption.

Energy

Pursuant to Act No. 321/2014 Coll. on Energy Efficiency, and on amendments to and supplementation of certain Acts, the energy audit of JAVYS a. s. was prepared. In addition to the evaluation of the previous period, it proposes measures for the future period as well.

UZPODv14_1
ÚČ POD

Annex No. 1 to Decree No. MF/23377/2014-74

FINANCIAL STATEMENTS
of Enterprises in the Double-Entry Bookkeeping System

Prepared as at 31.12.2021

Figures are rounded on the right, other data are written from the left. Unfilled lines remain blank.
Data are filled in using block letters (as shown below) by a typewriter or a printer machine in black or dark blue.

Financial Statements Reporting Entity

Tax Registration Number 2022036599
Identification 35946024
SK NACE 38.22.0

Financial Statements Reporting Entity
☒ Ordinary ☐ Small
☐ Extraordinary ☒ Large
☐ Interim (Mark with X)

Month Year
From 01.2021
To 12.2021
For the Period
Immediate-Preceding Period From 01.2020 To 12.2020

Accompanying Parts of Financial Statements
☒ Balance Sheet (Úč POD 1-01) ☒ Income Statement (Úč POD 2-01) ☒ Notes (Úč POD 3-01)
(in whole Euros) (in whole Euros) (in whole Euros)

Business Name (Name) of the Reporting Entity
Jadrová a vyraďovací spoločnosť, a.s.

Seat of the Reporting Entity
Street Number
Jaslovské Bohunice 360
Postal Code Municipality
91930 Jaslovské Bohunice
Commercial Register and Number of Entry of the Company
Bratislava I, odd. Sa, v I.č.: 4649/B

Phone Number Fax Number
033 / 5313284 033 / 5312472
E-mail Address

Prepared on: 14.03.2022
Approved on: . . . 2022
Signature of a Member of the Statutory Body of the Reporting Entity or a Natural Person Acting as a Reporting Entity:

Records of the Tax Authority

Place for Registration Number Presentation Stamp of the Tax Authority

UZPODv14_2
Balance Sheet Úč
POD 1 - 01

DIC 2022036599 IČO 35946024

Description	Assets	Line	Current Reporting Period										Immediately-Preceding Reporting Period														
			Gross - Part 1					Net 2					Net 3														
			Correction - Part 2																								
a	b	c	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	Total assets (I. 02 + I. 33 + I. 74)	01	1	5	6	6	1	2	3	0	4	3	1	1	9	6	6	5	5	3	4	1					
				3	6	9	4	6	7	7	0	2											1	2	4	8	9
A.	Non-current assets (I. 03 + I. 11 + I. 21)	02		6	3	3	5	9	4	1	5	3			2	6	4	1	3	2	2	6	8				
				3	6	9	4	6	1	8	8	5											2	5	8	2	0
A.I.	Total non-current intangible assets (I. 04 to I. 10)	03		1	6	7	0	8	3	3	9												6	9	0	7	8
A.I.1.	Capitalised development costs (012) - 072, 091A	04																									
2.	Software (013) - 073, 091A	05		1	4	0	0	1	0	1	4												1	0	6	6	8
				1	3	8	9	4	3	2	5												1	5	3	3	8
3.	Valuable rights (014) - 074, 091A	06		2	7	1	0	1	6	2													3	2	6	4	0
				2	3	8	3	7	6	1													1	0	9	5	2
4.	Goodwill (015) - 075, 091A	07																									
5.	Other non-current intangible assets (016, 076) - 076, 07X, 091A	08			4	3	9	7	4	7													9	4	9	4	
					4	3	0	2	5	3													1	1	8	3	9
6.	Non-current intangible assets in acquisition (041) - 093	09			2	9	2	3	0	4													2	9	2	3	0
																							3	0	9	4	
7.	Advance payments for non-current intangible assets (051) - 095A	10																									
A.II.	Total non-current tangible assets (I. 012 to I. 020)	11		5	1	1	8	2	4	8	6	5			1	5	9	0	7	1	3	1	9				
				3	5	2	7	5	3	5	4	6											1	5	2	2	
A.II.1.	Land (031) - 092A	12			2	0	5	1	9	9	2												2	0	5	1	
																							2	0	4		
2.	Structures (021) - 081, 092A	13		1	5	3	3	7	3	6	3	5											5	5	8	5	
				9	7	5	1	6	7	6	0												6	0	1	2	
3.	Separate movable assets and sets of movables (022) - 082, 092A	14		3	0	7	5	8	7	3	8	9											5	2	3		
				2	5	5	2	3	6	7	8	6											5	5	9		

[illegible]

Security number	ASSETS	subsidiary number	Current Reporting Period										Immediately-Preceding Reporting Period																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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8.	Loans and other non-current financial assets with remaining maturity of up to one year (066A, 067A, 069A, 095A) - /066V	29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</

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Line a	ASSETS b	Line c	Current Reporting Period				Immediately-Preceding Reporting Period			
			Gross - Part 1		Net 2		Net 3		Net 3	
			1	Correction - Part 2						
1.a.	Trade receivables from group companies (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	43								
1.b.	Trade receivables within a participating interest except for receivables from group companies (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	44								
1.c.	Other trade receivables (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	45		2 3 3 8			2 3 3 8			
2	Net construction contract value (316A)	46								
3	Other receivables from group companies (351A) - /391A/	47								
4	Receivables within a participating interest except for receivables from group companies (351A) - /391A/	48								
5	Receivables from partners, members and participants in an association (354A, 355A, 358A, 358A) - /391A/	49								
6	Receivables from derivative transactions (373A, 376A)	50								
7	Other receivables (335A, 336A, 337A, 374A, 375A, 376A) - /391A/	51		5 8 0 8 3 8 0 0 4			5 8 0 8 3 8 0 0 4			
8	Deferred tax asset (481A)	52		4 3 8 6 4 8 1			4 3 8 6 4 8 1			
								3 5 2 5 9 0 9		
B.III.	Total current receivables (I. 54 + I. 55 to I. 65)	53		1 3 0 4 9 8 4 9 5			1 3 0 4 9 2 6 7 8			
				5 8 1 7			1 2 2 3 0 4 1 0 5			
B.III.1	Total trade receivables (I. 55 to I. 57)	54		9 0 2 6 8 5 2			9 0 2 1 2 8 8			
				5 5 6 4			7 2 9 2 6 7 8			
1.a.	Trade receivables from group companies (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	55		5 5 8 4 9 6 2			5 5 8 4 9 6 2			
								5 6 0 9 4 7 5		
1.b.	Trade receivables within a participating interest except for receivables from group companies (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	56								

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Line a	ASSETS b	Line c	Current Reporting Period				Immediately-Preceding Reporting Period			
			Gross - Part 1		Net 2		Net 3		Net 3	
			1	Correction - Part 2						
1.c.	Other trade receivables (311A, 312A, 313A, 314A, 315A, 315A) - /391A/	57		3 4 4 1 8 9 0			3 4 3 6 3 2 6			
				5 5 6 4			1 6 8 3 2 0 3			
2	Net construction contract value (316A)	58								
3	Other receivables from group companies (351A) - /391A/	59								
4	Other receivables within a participating interest except for receivables from group companies (351A) - /391A/	60								
5	Receivables from partners, members and participants in an association (354A, 355A, 358A, 358A) - /391A/	61		2 2 3 6 6 4			2 2 3 6 6 4			
6	Social security insurance (336A) - /391A/	62								
7	Tax assets and subsidies (341, 342, 343, 345, 346, 347) - /391A/	63		1 2 1 2 2 7 7 6 7			1 2 1 2 2 7 7 6 7			
								1 1 4 9 9 6 7 8 2		
8	Receivables from derivative transactions (373A, 376A)	64								
9	Other receivables (335A, 336A, 371A, 374A, 375A, 376A) - /391A/	65		2 0 2 1 2			1 9 9 5 9			
				2 5 3				1 4 6 4 5		
B.IV.	Total current financial assets (I. 67 to I. 70)	66		2 1 3 8 5			2 1 3 8 5			
								2 1 0 1 6		
B.IV.1	Current financial assets in group companies (251A, 253A, 256A, 257A, 258A) - /291A, 291A/	67		2 1 3 8 5			2 1 3 8 5			
2	Current financial assets, excluding current financial assets in group companies (251A, 253A, 256A, 257A, 258A) - /291A, 291A/	68								
3	Treasury stock and treasury shares (252)	69								
4	Current financial assets in acquisition (259, 314A) - /291A/	70								

UZPOV14_7
Balance Sheet Úč
POD 1 - 01

DIČ 2 0 2 2 0 3 6 5 9 9 IČO 3 5 9 4 6 0 2 4

Description a	ASSETS b	Line c	Current Reporting Period		Immediately-Preceding Reporting Period	
			1	2	3	4
			Gross - Part 1		Net 3	Net 4
			Correction - Part 2			
B.V.	Financial accounts I. 72 + I. 73	71	2 1 1 2 4 5 5 7 8	2 1 1 2 4 5 5 7 8		
				2 1 6 0 8 7 3 9 0		
B.V.1	Cash on hand (211, 213, 21X)	72	8 9 5 4 9	8 9 5 4 9		
					9 0 5 9 0	
2	Bank accounts (221A, 22X, +1-261)	73	2 1 1 1 5 6 0 2 9	2 1 1 1 5 6 0 2 9		
				2 1 5 9 9 6 8 0 0		
C.	Total accruals and deferrals (I. 75 to I. 78)	74	4 8 1 9 6 8 2	4 8 1 9 6 8 2		
				3 7 0 6 0 9 3		
C.1.	Non-current deferred expenses (381A, 382A)	75	1 4 7 2 3 3 7	1 4 7 2 3 3 7		
				1 4 7 2 3 3 7		
2	Current deferred expenses (381A, 382A)	76	2 9 2 8 1 1	2 9 2 8 1 1		
				2 7 6 7 0 6		
3	Non-current accrued income (385A)	77				
4	Current accrued income (385A)	78	4 3 7 9 6 3 4	4 3 7 9 6 3 4		
				3 2 8 2 1 5 0		

Description a	EQUITY AND LIABILITIES b	Line c	Current Reporting Period		Immediately-Preceding Reporting Period
			4	5	6
			Gross - Part 1		Net 6
			Correction - Part 2		
	TOTAL EQUITY AND LIABILITIES I. 80 + I. 101 + I. 141	79	1 1 9 6 6 5 5 3 4 1	1 2 4 8 9 9 8 5 9 5	
A.	Equity I. 80 + I. 85 + I. 86 + I. 87 + I. 90 + I. 93 + I. 97 + I. 100	80	2 1 3 5 0 6 5 9 0	2 1 6 3 7 4 9 6 2	
A.1.	Total registered capital (I. 82 to I. 84)	81	3 6 4 4 6 9 4 0	3 6 4 4 6 9 4 0	
A.1.1.	Registered capital (411 or +1-491)	82	3 6 4 4 6 9 4 0	3 6 4 4 6 9 4 0	
2	Changes in the registered capital +1-419	83			
3	Receivables for subscribed capital (+1-353)	84			
A.1.	Share premium (412)	85			
A.1.	Other capital funds (413)	86			
A.V.	Legal reserve funds I. 88 + I. 89	87	8 4 2 2 6 8 5	8 4 2 2 6 8 5	
A.V.1.	Legal reserve fund and non-distributable fund (417A, 418, 421A, 422)	88	8 4 2 2 6 8 5	8 4 2 2 6 8 5	
	Reserve fund for treasury stock and treasury shares (417A, 421A)	89			

UZPOV14_8
Balance Sheet Úč
POD 1 - 01

DIČ 2 0 2 2 0 3 6 5 9 9 IČO 3 5 9 4 6 0 2 4

Description a	EQUITY AND LIABILITIES b	Line c	Current Reporting Period		Immediately-Preceding Reporting Period
			4	5	6
			Gross - Part 1		Net 6
			Correction - Part 2		
A.V.	Other funds from profit I. 91 + I. 92	90	2 8 9 5 4 4 6 3	2 9 9 8 8 8 3 3	
A.V.1.	Statutory funds (427, 42X)	91			
2	Other funds (427, 42X)	92	2 8 9 5 4 4 6 3	2 9 9 8 8 8 3 3	
A.V.I.	Total revaluation reserves (I. 94 to I. 96)	93	9 8 0 4 1 0 8 4	9 8 9 3 9 2 3 8	
A.V.I.1.	Asset and liability revaluation reserve (+1-414)	94	- 1 7 0 5 0 2 1 6	- 1 6 1 5 2 0 6 2	
3	Financial investments revaluation reserve (+1-415)	95	1 1 5 0 9 1 3 0 0	1 1 5 0 9 1 3 0 0	
	Revaluation reserve from fusions, mergers and separations (+1-416)	96			
A.V.I.	Profits/loss from previous years I. 98 + I. 99	97	3 8 3 1 7 4 9 3	3 8 1 9 4 9 0 7	
A.V.I.1.	Retained earnings from previous years (428)	98	3 8 3 1 7 4 9 3	3 8 1 9 4 9 0 7	
2	Accumulated losses from previous years (-1-429)	99			
A.V.I.I.	Profits/loss for the current reporting period after taxation (+1-101 - (I. 81 + I. 85 + I. 86 + I. 87 + I. 90 + I. 93 + I. 97 + I. 101 + I. 104))	100	3 3 2 3 9 2 5	4 3 8 2 3 5 9	
B.	Liabilities I. 102 + I. 118 + I. 121 + I. 122 + I. 136 + I. 139 + I. 140	101	8 6 6 4 1 6 5 7 7	9 1 8 8 5 8 5 5 8	
B.1.	Total non-current liabilities (I. 103 + I. 107 to I. 117)	102	5 3 1 1 6 9 3	5 5 1 4 3 2 2	
B.1.1.	Total long-term trade payables (I. 104 to I. 106)	103			
1.a	Trade payables to group companies (321A, 475A, 476A)	104			
1.b	Trade payables within a participating interest except for payables to group companies (321A, 475A, 476A)	105			
1.c	Other trade payables (321A, 475A, 476A)	106			
2	Net construction contract value (316A)	107	5 0 2 6 3 4 2	5 0 2 6 3 4 2	
3	Other payables to group companies (471A, 47XA)	108			
4	Other payables within a participating interest except for payables to group companies (471A, 47XA)	109			
5	Other long-term payables (479A, 47XA)	110			
6	Long-term advance payments received (475A)	111			
7	Long-term bills of exchange to be paid (478A)	112			
8	Bonds issued (473A/255A)	113			
9	Social fund payables (472)	114	2 8 5 3 5 1	4 8 7 9 8 0	
10	Other non-current payables (336A, 372A, 474A, 47XA)	115			
11	Long-term payables from derivative transactions (373A, 377A)	116			
12	Deferred tax liability (481A)	117			


UZPQDV14_9											
Balance sheet (Úč POD 1-01)											
DiC 2 0 2 2 0 3 6 5 9 9 IČO 3 5 9 4 6 0 2 4											
Description a	Item b	Line c	Current Reporting Period 4				Immediately-Preceding Reporting Period 5				
			1	2	3	6	5	9	9		
B.II	Long-term provisions for liabilities I. 119 + I. 120	118	7	2	0	0	7	1	6	6	9
B.II.1	Legal provisions for liabilities (451A)	119									
2	Other provisions for liabilities (459A, 45XA)	120	7	2	0	0	7	1	6	6	9
B.III	Long-term bank loans (461A, 46XA)	121									
B.IV	Total current liabilities (I. 123 + I. 127 to I. 135)	122	2	1	0	5	5	4	4	1	2
B.IV.1	Total trade payables (I. 124 to I. 126)	123	1	5	8	9	3	9	8	2	
1.a	Trade payables to group companies (321A, 322A, 323A, 325A, 326A, 327A, 475A, 476A, 478A, 479A)	124					3	3	8	8	1
1.b	Trade payables to participating interest except for services to group companies (321A, 322A, 323A, 324A, 325A, 326A, 475A, 476A, 478A, 479A)	125									
1.c	Other trade payables (321A, 322A, 323A, 324A, 325A, 326A, 327A, 475A, 476A, 478A, 479A)	126	1	5	5	5	1	7	2		
2	Net construction contract value (316A)	127					1	1	2	7	0
3	Other payables to group companies (361A, 362A, 471A, 473A)	128									
4	Other payables within a participating interest except for payables to group companies (361A, 362A, 471A, 473A)	129									
5	Payables to partners and participants in an association (364, 365, 366, 367, 368, 369A, 478A, 479A)	130									
6	Payables to employees (331, 333, 33X, 479A)	131	1	8	5	4	0	5	9		
7	Social security insurance payables (336A)	132	1	2	4	7	2	8	7		
8	Tax liabilities and subsidies (341, 342, 343, 345, 346, 347, 34X)	133	3	9	8	6	7	6			
9	Payables from derivative transactions (373A, 377A)	134									
10	Other payables (372A, 379A, 474A, 475A, 476A, 477A)	135	1	6	6	1	4	3	7		
B.V	Short-term provisions for liabilities I. 137 + I. 138	136	1	1	9	9	7	4	6	3	2
B.V.1	Legal provisions for liabilities (323A, 451A)	137					6	9	2	7	5
2	Other provisions for liabilities (323A, 32X, 459A, 45XA)	138	1	1	9	2	8	1	8	1	
B.VI	Current bank loans (221A, 231, 232, 23X, 461A, 46XA)	139					3	1	4	2	
B.VII	Short-term financial assistance (241, 249, 24X, 473A, /-255A)	140									
C	Total accruals and deferrals (I. 142 to I. 145)	141	1	1	6	7	3	2	1	7	4
C.1	Non-current accrued expenses (383A)	142									
2	Current accrued expenses (383A)	143					1	1	2		
3	Non-current deferred income (384A)	144	9	9	0	6	1	6	4	6	
4	Current deferred income (384A)	145	1	7	6	7	0	4	1	6	

UZPQDV14_10											
Income Statement Úč POD 2 - 01											
DiC 2 0 2 2 0 3 6 5 9 9 IČO 3 5 9 4 6 0 2 4											
Description a	Item b	Line c	Current Reporting Period 1				Immediately-Preceding Reporting Period 2				
			1	2	3	6	5	9	9		
01	Net turnover (a portion of Accounting Class 6 under the Act)	01	2	4	6	9	2	7	3	0	
**	Total operating revenues (I. 03 to I. 09)	02	1	3	0	7	3	7	7	2	3
I.	Revenues from the sale of merchandise (504, 507)	03									
II.	Revenues from the sale of own products (501)	04				4	4	5	2	6	
III.	Revenues from the sale of services (502, 505)	05	2	4	6	4	8	2	0	4	
IV.	Changes in inventories (+/- Accounting Group 61)	06									
V.	Own work capitalised (Accounting Group 62)	07	2	5	1	9	0	8	4		
VI.	Revenues from the sale of non-current intangible assets, non-current tangible assets and raw materials (541, 542)	08	1	0	3	3	4	6	9		
VII.	Other operating revenues (544, 545, 546, 548, 555, 557)	09	1	0	2	4	9	2	4	0	
--	Total operating expenses (I. 11 + I. 12 + I. 13 + I. 14 + I. 15 + I. 20 + I. 21 + I. 24 + I. 25 + I. 26)	10	1	2	1	4	7	9	3	1	6
A.	Costs of the acquisition of merchandise sold (504, 507)	11									
B.	Consumed raw materials, energy and other non-inventory supplies (501, 502, 503)	12	8	9	8	9	5	9	1		
C.	Provisions for inventories (+/-) (505)	13									
D.	Services (Accounting Group 51)	14	5	1	3	9	4	2	1	6	
E.	Total personnel expenses (I. 16 to I. 19)	15	3	5	3	6	4	3	4	0	
E.1	Wages and salaries (521, 522)	16	2	1	7	7	3	0	6	6	
2	Remuneration of members of company bodies and co-operative (523)	17	2	9	9	9	2	3			
3	Social insurance expenses (524, 525, 528)	18	9	2	4	3	3	1	1		
4	Social expenses (527, 528)	19	4	0	4	8	0	4	0		
F.	Taxes and fees (Accounting Group 53)	20	2	9	1	0	1	3	9		
G.	Amortisation and depreciation, and provisions for non-current intangible and non-current tangible assets (I. 22 + I. 23)	21	1	6	7	4	0	6	5	3	
G.1	Amortisation and depreciation of non-current intangible and non-current tangible assets (551)	22	2	1	0	5	7	1	0	3	
2	Provisions for non-current intangible and non-current tangible assets (+/-) (553)	23	-	4	3	1	6	4	5	0	
H.	Net book value of non-current assets and raw materials sold (541, 542)	24									
I.	Provisions for receivables (+/-) (547)	25				-	3	9	6		
2	Other operating expenses (543, 544, 545, 548, 549, 555, 557)	26	6	0	8	0	7	7	1		
---	Operating profit or loss (+/-) (I. 02 - I. 10)	27	9	2	5	8	4	0	7		


UZPQDV14_11

Income Statement
Úč PODO 2 - 91

ÚČO 3 5 9 4 6 0 2 4



Description a	Item b	Line c	Actual																			
			Current Reporting Period 1										Immediately-Preceding Reporting Period 2									
-	Added value (0.03 + 1.04 + 1.05 + 1.06 + 1.07) - (0.11 + 1.12 + 1.13 + 1.14)	28	-	3	3	1	7	1	9	9	3	-	3	6	1	0	3	4	5	7		
-	Total revenues from financing activities (0.30 + 1.31 + 1.35 + 1.39 + 1.42 + 1.43 + 1.44)	29		3	2	3	2	6	4	7	1		1	1	8	8	3	5	5	7		
VIII.	Revenues from the sale of securities and ownership interests (661)	30																				
IX.	Total revenues from non-current financial assets (0.32 to 1.34)	31																				
IX.1.	Revenues from securities and ownership interests from group companies (665A)	32																				
2.	Revenues from securities and ownership interests with a participating interest except for revenues from group companies (665A)	33																				
3.	Other revenues from securities and ownership interests (665A)	34																				
X.	Total revenues from current financial assets (0.35 to 1.38)	35																				
X.1.	Revenues from current financial assets from group companies (666A)	36																				
2.	Revenues from current financial assets within a participating interest except for revenues from group companies (666A)	37																				
3.	Other revenues from current financial assets (666A)	38																				
XI.	Interest income (0.40 + 1.41)	39				1	2	7	1	4	1				1	8	1	0	7	7		
XI.1.	Interest income from group companies (662A)	40																				
2.	Other interest income (662A)	41				1	2	7	1	4	1				1	8	1	0	7	7		
XII.	Foreign exchange gains (663)	42				-	3															
XIII.	Gains on revaluation of securities and revenues from derivative transactions (664, 667)	43																				
XIV.	Other revenues from financing activities (668)	44				3	2	1	9	9	3	3			1	1	7	0	2	4	8	0
-	Total costs of financing activities (0.46 + 1.47 + 1.48 + 1.49 + 1.52 + 1.53 + 1.54)	45				3	6	2	0	1	7	0	5		1	6	7	4	6	0	1	5
K.	Securities and ownership interests sold (561)	46																				
L.	Expenses related to current financial assets (566)	47																				
M.	Provisions for financial assets (+/-) (565)	48																				
N.	Interest expense (0.50 + 1.51)	49																				
N.1.	Interest expense for group companies (562A)	50																				
2.	Other interest expense (562A)	51																				
O.	Foreign exchange losses (563)	52																				
P.	Expenses for revaluation of securities and expenses related to derivative transactions (564, 567)	53																				
Q.	Other costs of financing activities (568, 569)	54				3	6	2	0	1	3	1	8		1	6	7	4	6	8	3	7

UZPQDV14_12			Income Statement Úč PODO 2 - 91										ÚČO 3 5 9 4 6 0 2 4																			
			D I C 2 0 2 2 0 3 6 5 9 9																													
Description a	Item b	Line c	Actual																													
			Current Reporting Period 1										Immediately-Preceding Reporting Period 2																			
...	Profits/loss from financing activities (+/-) (0.29 - 1.45)	55	-	3	8	7	5	2	3	4									-	4	8	6	2	4	5	8						
----	Profits/loss for the reporting period before taxation (+/-) (0.27 + 1.55)	56				5	3	8	3	1	7	3								7	9	5	3	1	9	0						
R.	Income tax (0.58 + 1.59)	57				2	0	5	9	2	4	8								3	5	7	0	8	3	1						
R.1.	Current income tax (591, 595)	58				2	9	1	9	8	2	0								3	6	3	4	2	4	7						
2.	Deferred income tax (+/-) (592)	59				-	8	6	0	5	7	2								-	6	3	4	1	6							
S.	Profits/loss of partnership transferred to partners (+/-) (593)	60																														
---	Profits/loss for the reporting period after taxation (+/-) (0.56 - 1.57 - 1.60)	61				3	3	2	3	9	2	5								4	3	8	2	3	5							

Independent Auditor's Report

To the Shareholder, Supervisory Board and Board of Directors of Jadrová a výrobná spoločnosť, a.s.:

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of Jadrová a výrobná spoločnosť, a.s. ("the Company"), which comprise the balance sheet as at 31 December 2021, the income statement for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements of the Company give a true and fair view of the financial position of the Company as at 31 December 2021, and of its financial performance for the year then ended in accordance with the Act on Accounting No 431/2002 Coll., as amended by later legislation ("the Act on Accounting").

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing ("ISAs"). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the Act on Statutory Audit No 423/2015 Coll. and on amendments to the Act on Accounting No 431/2002 Coll., as amended by later legislation ("the Act on Statutory Audit") related to ethics, including Auditor's Code of Ethics, that are relevant to our audit of the financial statements, and we have fulfilled other requirements of these provisions related to ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of Matter

We draw attention to the notes III.4, IV.2 and VIII.2 to the financial statements. The Company values its obligations and recognizes related receivables in relation to decommissioning of nuclear energetic and non-energetic facilities and nuclear waste storage and management based on the updated strategy on the final stage of nuclear energy approved by the Slovak government in 2014. Estimates and assumptions used by the management in its calculation of the provision are inherently sensitive to expectations of development of future costs and forecasted cash flows, inflation, discount rates, technical plans and changes in the government legislation. Any changes in these parameters could significantly influence the amount of provisions recognized in the company's financial statements in the future periods.

Further we draw attention to the notes I.1.2 and III.2 to the financial statements. Together with ČEZ Bohnice a.s., the subsidiary of ČEZ, a.s., the Company established a joint venture of Jadrová energetická spoločnosť Slovenska, a.s. Its purpose is a nuclear power plant construction. Future development and recoverability of the investment in the joint venture depends on successful completion of the construction project and subsequent operations of the new nuclear power source in the area of power plant in Jaslovské Bohunice. Decision on the construction will be made in the future.

Our opinion is not modified in respect to these matters.

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Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation of the financial statements that give true and fair view in accordance with the Act on Accounting, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Company's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.

THIS IS A TRANSLATION OF THE ORIGINAL SLOVAK REPORT

- Evaluate the overall presentation, structure and content of the financial statements including the presented information as well as whether the financial statements captures the underlying transactions and events in a manner that leads to their fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Report on Other Legal and Regulatory Requirements

Report on Information Disclosed in the Annual Report

Management is responsible for the information disclosed in the annual report, prepared based on requirements of the Act on Accounting. Our opinion on the financial statements expressed above does not apply to other information contained in the annual report.

In connection with audit of the financial statements it is our responsibility to understand the information disclosed in the annual report and to consider whether such information is not materially inconsistent with audited financial statements or our knowledge obtained in the audit of the financial statements, or otherwise appears to be materially misstated.

The annual report was not available to us as at the date of issue of the auditor's report on the audit of the financial statements.

When we obtain the annual report, we will consider whether the Company's annual report contains information, disclosure of which is required by the Act on Accounting and based on procedures performed during the audit of financial statements, we will express our opinion considering whether:

- Information disclosed in the annual report, prepared for 2021, is consistent with the financial statements for the relevant year,
- The annual report contains information based on the Act on Accounting.

Additionally, we will disclose whether material misstatements were identified in the annual report based on our understanding of the Company and its situation, obtained in the audit of the financial statements.

24 March 2022
Bratislava, Slovak Republic

Ernst & Young Slovakia, spol. s r.o.
SKAU Licence No. 257

Ing. Tomáš Přeček, statutory auditor
UDVA Licence No. 1067

ABBREVIATIONS

ALARA	As Low As Reasonably Achievable - the principle of optimization of radiation exposure (humans)
BIDSF	Bohunice International Decommissioning Support Fund - V1 NPP
OHS	Occupational health and safety
BRWTC	Bohunice Radioactive Waste Treatment Centre
SR	safety report
CP	Civil protection
CO	carbon monoxide
CO ₂	carbon dioxide
Corg.	organic carbon
D2O	deuterium water
TFA	tangible fixed assets
DCM	documentarian of change and modification
EBRD	European Bank for Reconstruction and Development
EIA	Environmental impact assessment
EC	European Commission
EU	European Union
FP LRAW	Final processing of liquid radioactive waste
MPB	main production building
INES	International Nuclear Event Scale
IRAW	Institutional radioactive waste
IMS	Integrated management system
ISO	International Organization for Standardization
ISFS	Interim Spent Fuel Storage
IS RAW	Interim Storage of RAW at Bohunice Site
JAVYS, a. s.	Jadrová a vyradovacia spoločnosť, a joint stock company
NPP	Nuclear Power Plant
NF	Nuclear facility
JESS	Jadrová energetická spoločnosť Slovenska, a. s.
LRAW	Liquid radioactive waste
LAC	limits and conditions

IAEA	International Atomic Energy Agency
MoE SR	Ministry of Economy of the Slovak Republic
MLSAaF SR	Ministry of Labour, Social Affairs and Family of the Slovak Republic
ISFS	Interim Spent Fuel Storage
MoE SR	Ministry of Environment of the Slovak Republic
LA RAW	Low-activity radioactive waste
NNF SR	National Nuclear Fund of the Slovak Republic
NO _x	oxides of nitrogen
PMU	Project Management Unit
RoO	Rules of operation
PoSR	pre-operational safety report
RAW	Radioactive waste
RF	Russian Federation
RM	Radioactive materials
RMUO	Radioactive materials of unknown origin
NRAWR	National radioactive waste repository
SE, a. s.	Slovenské elektrárne, joint-stock company
SE-EBO	Slovenské elektrárne, a. s., Atómové elektrárne Bohunice nuclear power plant (V2 NPP)
SE-EMO	Slovenské elektrárne, a. s., Atómové elektrárne Mochovce nuclear power plant (EMO1,2)
SIEA	Slovak Innovation and Energy Agency
SO ₂	sulphur dioxide
SR	Slovak Republic
RAW PTT	Radioactive waste processing and treatment technology
NRA SR	Nuclear Regulatory Authority (NRA) of the Slovak Republic
PHA SR	Public Health Authority of the Slovak Republic
FCC	fibre concrete container
VLLW	Very low-level waste
SNF	spent nuclear fuel
HVAC	air-conditioning
CRAM	collected radioactive materials



ANNUAL REPORT 2021

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