

*Offer**Upgrading of PMS-1000 (price proposal)*

<b>CUSTOMER</b> NPP Kozloduy EAD 3321 Kozloduy	<b>SENDER</b> VUJE, a. s. Okružná 5, 918 64 Trnava Division – NPP Training centre
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Tax ID No.: 2020392539  
VAT ID No.: SK2020392539  
Registration: Business Register of the District Court  
in Trnava, Section Sa, Insert No.: 164/T



Dear Business Partner,

Simulator upgrade activities are, by their nature, complex engineering projects that require extensive domain-specific expertise and in-depth knowledge of the particular power plant configuration. Such projects are highly sensitive to local technical and operational specifics, which makes proven experience and understanding of the reference unit essential.

Company VUJE, a.s. is therefore pleased to submit its commercial proposal to NPP Kozloduy EAD for the project "Upgrading of PMS-1000 with models of the SGIU, AZ/PZ, ARM and AROM systems."

According to the provided Technical Specification document No. 57505, the scope of the simulator modernization project includes, in particular, the development, implementation and integration of advanced simulation models of the reactor control, regulation and protection systems. The upgraded simulator shall ensure realistic behaviour of the nuclear power unit under normal, transient and abnormal operating conditions, fully reflecting the logic, interfaces and interactions of the real plant systems.

The proposed solution includes the following key tasks:

- Project management and documentation
- Cyber security management and documentation
- SGIU – Group and Individual Control System upgrade
- AZ / PZ / URB – Reactor Protection and Limitation Systems upgrade
- ARM – Automatic Power Regulator upgrade
- AROM / ROM – Reactor Power Limiter upgrade
- Diagnostic, archivation and visualisation support system
- Dismantling of existing HW components
- Existing panels modification
- Assemblying and cabling of new components
- Integration of new models to existing FSS configuration
- Modification of instructor station (visualisation, control commands)
- Factory Acceptance Test completion
- Site Acceptance Test completion
- Final Documentation completion

VUJE's proposal is based on long-term experience in the design, modernization and validation of full-scope and training simulators for nuclear power plants, as well as on direct participation in safety system modeling and reactor control projects.

We trust that our technical competence, proven references and in-depth understanding of simulator systems make VUJE a reliable and competent partner for the successful execution of this project.

According to all available information we can assume that the price for similar project complexity has to be **9 560 000 EUR (18 697 734,8 LEV)** and necessary time for completion is 24 months.

**Warranty conditions**, whereby a warranty period of two (2) years is provided for delivered equipment, and a warranty period of five (5) years is provided for on-site activities, including installation, integration and building works.

The manufacturer of the equipment is not specified at the time of submission of this proposal. The manufacturer will be determined following the official tender procedure, in compliance with the applicable procurement regulations and technical specifications.

**Attention:** This commercial proposal of Company VUJE is just a first estimation and gives you information about the price for the projects of similar scope and complexity. The official bid will be sent to tender organisation in the case of tender and after official tender documentation studying.

Yours sincerely,  
**Заличено на основание 33ЛД**

**VUJE, a.s.**  
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