

MEMORANDUM OF UNDERSTANDING

between

The Bulgarian Association in the Atomic Industry (BAAI)

and

TRITEM PSA,

Poland, Katowice, Ligocka 103/B11

Registration KRS: 0000972527

Tax ID: NIP 8842690995

I. Introduction

This Memorandum of Understanding aims to establish a framework for cooperation between the Bulgarian Association in the Atomic Industry (BAAI) and TRITEM, a company TRITEM PSA headquartered in Katowice, Poland, operating within the European Union and specializing in software and hardware engineering, industrial automation, system integration, simulation and verification platforms, and comprehensive technical solutions.

TRITEM PSA specializes in safety-critical control systems, including the construction of verification and validation systems for critical path control architectures. The company utilizes its own proprietary as well as recognized IT and mechatronic tools, incorporating advanced simulations and models to create Digital Twins of control systems and their environments. These applied solutions are dedicated to the testing, verification, and validation of critical control systems to ensure their safe deployment, reliable operation, and continuous secure enhancement throughout their entire operational lifecycle.

The present document defines the principles, objectives, key themes of cooperation, and the methods for joint implementation of activities that represent mutual interest to both parties.

II. Key Areas of Cooperation

1. Engineering, Automation and Technical Systems

- Joint development and design of software and hardware engineering solutions.
- Construction of verification and validation (V&V) platforms and simulation environments.
- Integration of industrial automation systems and digital control platforms.
- Testing, prototyping and system validation, including hardware-in-the-loop and simulation-based testing.

2. Energy Technologies and Industrial Infrastructure



- Development and engineering support for systems used in energy infrastructures and critical industrial facilities.
- Analysis, modeling and optimization of industrial and energy processes using advanced simulation.
- Implementation of safe and reliable control systems for mission-critical applications.

3. Waste Management and Environmental Technologies

- Development of technological concepts and systems for the processing, monitoring and analysis of industrial waste.
- Digitalization of environmental monitoring, control and reporting processes.
- Support in applying innovative technological solutions for sustainable environmental management.

4. Consultancy, Expertise and Training

- Exchange of specialists and organisation of seminars, workshops and training modules.
- Expert consultancy and engineering support for specific projects of either party.
- Joint participation in tendering procedures requiring combined competencies of both organizations.

III. Methods of Working

1. Joint Working Groups

- Establishment of thematic working groups for each identified direction of cooperation.
- Regular coordination meetings, including online sessions, for discussing progress and planning subsequent steps.

2. Knowledge Exchange and Training

- Implementation of joint training programs, qualification sessions, and technical workshops.
- Exchange of experts and engineering personnel where required.



3. Consultancy Services and Expert Assistance

- Shared provision of consultancy services and expert engineering support.
- Assistance in developing tender documentation and participating in calls for proposals.

4. Joint Research and Technical Projects

- Development and execution of collaborative scientific, technical, innovation and engineering projects.
- Joint participation in European, international and national funding programs.

IV. Specific Activities

1. Engineering and Technical Design

- Preparation of complete engineering documentation, product concepts and prototypes.
- Design of automated systems, hybrid test platforms, control interfaces and simulation environments.

2. Waste Management and Environmental Solutions

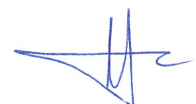
- Development of sustainable waste-processing strategies and engineering concepts.
- Construction and integration of monitoring and data-collection systems for environmental processes.

3. Automation and Remote Control

- Design and implementation of software-based and hardware-based automation systems.
- Maintenance, training and operational support for automated and remotely controlled systems.

4. Financing and European Programmes

- Joint development and submission of project proposals under EU frameworks and other funding mechanisms.
- Implementation of innovative technical solutions aligned with European and international standards.



V. Communication and Coordination

1. Project Management

- Application of modern project management methodologies such as Agile, PMBOK and other internationally recognized standards.
- Appointment of project managers from both BAAI and TRITEM.

2. Communication Channels

- Establishment of regular communication via weekly and monthly meetings.
- Use of digital cooperation tools such as Microsoft Teams or other platforms agreed upon by the parties.

3. Resource Sharing

- Mutual access to laboratories, software tools, engineering resources and technical platforms.
- Joint use of equipment and infrastructures when necessary for project execution.

VI. Documentation and Reporting

1. Documentation

- Implementation of a structured system for documenting all joint initiatives, activities and research results.
- Periodic preparation of reports assessing progress, achieved results and further needs.

2. Evaluation and Feedback

- Conducting regular evaluations of the effectiveness of the cooperation.
- Collection of feedback and proposals for the improvement of joint activities.

VII. Conclusion

The present Memorandum establishes a framework for cooperation and does not create financial or legally binding obligations for either party. Specific projects, joint services or commercial activities will be formalized through separate agreements, contracts or annexes.



Both parties express their willingness for long-term cooperation and their commitment to contributing to the development of advanced engineering solutions, innovative technologies and sustainable industrial and energy systems.

Signatures

For the Bulgarian Association in the Atomic Industry (BAAI)

Angel Filipov

Chairman

88 Evropeiski pat Blvd

Mobile: +359 889 298 197

www.baai-bg.org

angel.filipov@baai-bg.org

Signature: _____

For TRITEM

Name: Mariusz Tomaka

Position: CEO, Member of the Board of Directors

TRITEM PSA

Ligocka 103/B11

40-568 Katowice, Poland

m.tomaka@tritem.eu

Signature: _____



Mariusz Tomaka
DIREKTOR DS. ROZWÓJ
TRITEM P.S.A.

TRITEM P.S.A.
ul. Ligocka 103, 40-568 Katowice
NIP: 8842690995 REGON: 020963384

KATOWICE 16/01/2026