ensaco

INTEGRATE YOUR BUSINESS SOFTWARE WITH CUTTING EDGE TECHNOLOGY

Our Team

 Želimir Lukač

 Dušan Ćirić

 Vladan Cvejić

KNOWLEDGE, EXPERIENCE, CONFIDENCE

We are team of experienced experts with years of joint team work on various projects. Focused on industrial automation covering wide range of applications. That includes industry specific, business related complex systems.

Our Team - Executive director

 Želimir Lukač

- Electrical engineer with more than 35 years of experience in design and commissioning of systems automation and supervision in Power, Oil and Gas, chemical and rubber Industry, transport systems etc.
- Team leader of large integral control projects
- Design, development, commissioning od PLC / SCADA / MES system applications
- Engineering, implementation, testing, commissioning in Serbia, Czech Republic, Russia, Belorussia
- Responsible designer, License: 350 i 352
- Responsible supervisor, License: 450

Our Team - Technical director

 Vladan Cvejić

- Power engineer with more than 15 years of experience in field of Transmission and distribution of electrical energy.
- Engineering, Implementation, testing, commissioning, automation systems standardization (Power Automation Control) in Transmission and distribution system world wide
- Member of: IEC technical committee TC57 (Working group 10 – control and communication in Power systems), Institute for standardization of Serbia, CIGRE Serbia
- Responsible designer, License: 351
- Responsible supervisor, License: 451

Our Team - Chief of system software development

 Dušan Ćirić

- Analytical mind, mathematically precise, solves the most difficult algorithms
- Highly-experienced C/C++ programmer, with 15+ years of experience, capable of solving and designing large scale projects
- Engineered, Designed and Implemented new generation of general purpose SCADA system (*InfoControl SCADA)*, installed in many industries across the Serbia, Croatia, Macedonia, Montenegro, Romania, Russia and Belorussia
- Designed, developed and implemented MES system in RNP
- Developed and implemented communication stacks of following protocols: SNTP, MMS 2.0 (Client and Server side), GOOSE (according to IEC 61850 standard (Ed.1 i Ed.2)), Modbus, DNP3

Current Oil and Gas engagement

NIS GAZPROM NEFT, SERBIA

Pancevo Refinery - truck , truck LPG, rail LPG terminals

MAKPETROL, NORTH MACEDONIA

Ilinden – truck, rail, pipeline terminals

Gostivar – truck LPG terminal

Miladinovci – truck LPG, gas cylinders terminals

What do we do?

▶ OT SYSTEMS PROJECTS

Automation level

SCADA and network level

C programming interfaces level

🤝 CONSULTANT SERVICES

Industrial networking

Technology systems architecture

INTEGRATION PROJECTS

Horizontal integration between OT systems

Vertical integration between OT and IT systems

</> OUR PRODUCTS

Modbus IIoT gateway

IIoT Web Server

OT systems

INDUSTRIES

- ✓ Oil and Gas
- ✓ Substation Automation, Smart Grid
- ✓ Power Plants
- ✓ Water Treatment
- ✓ Rubber Production

INDUSTRIAL PROTOCOLS

- ✓ OPC Classic / OPC UA
- ✓ IEC 61850 / DNP3 / IEC 60870-5-104
- ✓ ProfiBus / ProfiNet
- ✓ Modbus

IT Integration

SOLUTIONS

- ✓ Terminal management
- ✓ Asset management
- ✓ Warehouse automation
- ✓ ERP systems integration

IT TECHNOLOGIES

- ✓ Relational databases (SQL Server, Oracle…)
- ✓ NoSQL databases (Elasticsearch, MongoDB…)
- ✓ Cloud infrastructure (Azure, AWS…)
- ✓ Microservices (Service Fabric, Kubernetes, Docker...)

Our Products

MODBUS GATEWAY
- ✓ Modbus Master / Slave, TCP / RTU
- ✓ OPC UA Client / Server
- ✓ MQTT Publisher/Broker
- ✓ IEC 62453, Field device tool interface support
- ➢ End of Q1 2020

INDUSTRIAL WEB SERVER
- ✓ Unlimited scalability
- ✓ HTML 5, CSS 3, Web Socket
- ✓ OPC UA Client / Server
- ✓ MQTT Broker/Subscriber
- ➢ End of Q2 2020

IIoT PLATFORM
- ✓ *Agile Process Development*

Benefits

✓ **EXPIRIENCED TEAM**

We are experienced professionals that know how to get job done
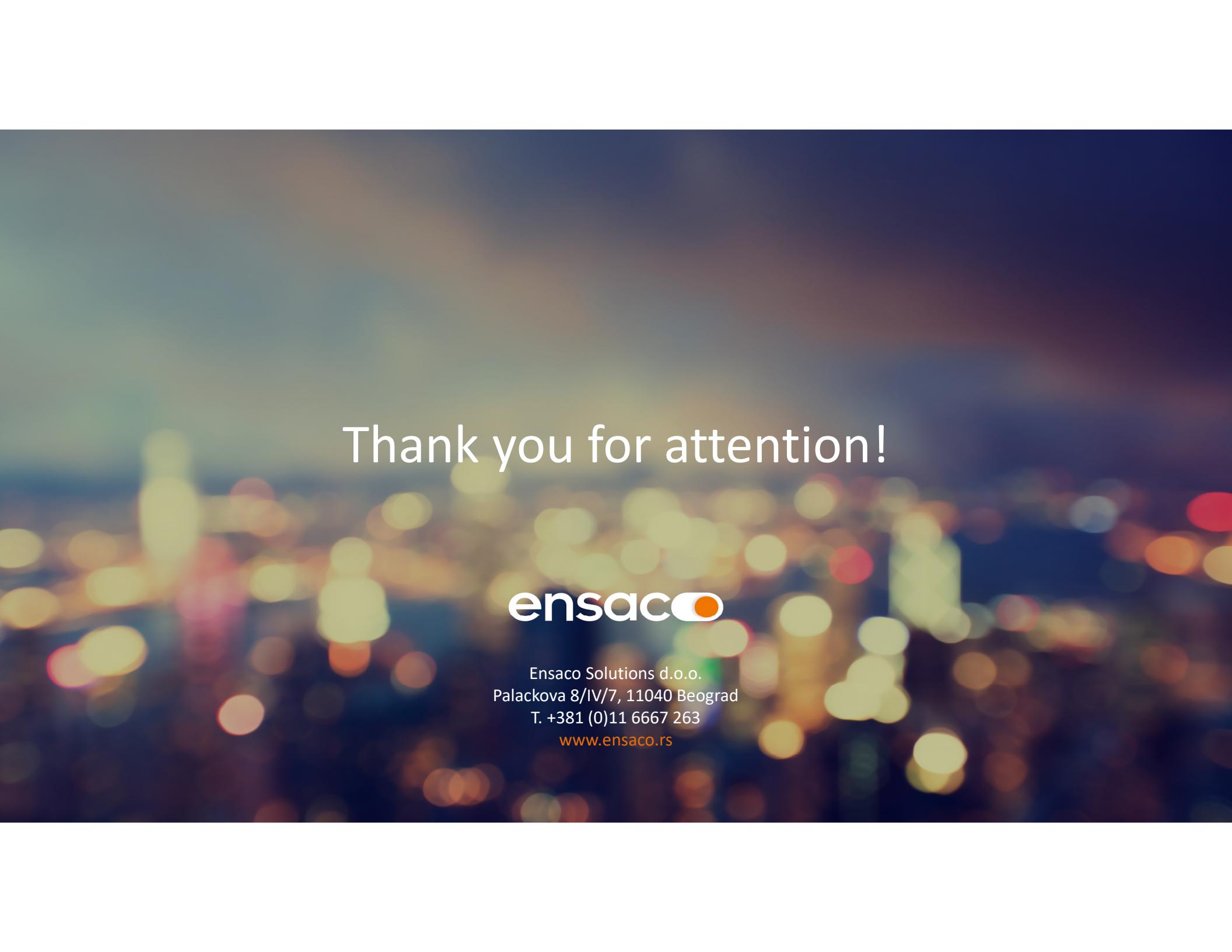
✓ **LATEST TECHNOLOGIES**

We are familiar with the latest technologies in both IT and OT domains

✓ **SUPPORT**

We offer high quality direct support

✓ **SERBIAN COMPANY**

Capacity to quickly acquire, if needed, additional human resources for both IT and OT projects

Thank you for attention!

ensaco

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