



ITEN Engineering

Company Profile



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The company name “ITEN” represents our orientation to the Information Technologies and Energy Sector. We are putting our wide IT and Power Engineering knowledge in the service of our customers.

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About Us

ITEN Engineering is your partner for solutions in the area of Information Technologies and Power Engineering.

Motivation

Founded by engineers and managers experienced in the Smart Grid, with the idea to fill the gap in the area of providing qualified services on the Smart Grid market.

Team

Our team consists of the core team and associates, both from the industry and university.





Consultancy

Support through all phases of a Smart Grid project; Design and Operation Philosophy of Power Distribution networks; IT infrastructure and design.



Development

Development of applications based on the customer needs/requests. Special experience with real time SCADA/DMS/EMS/OMS systems.



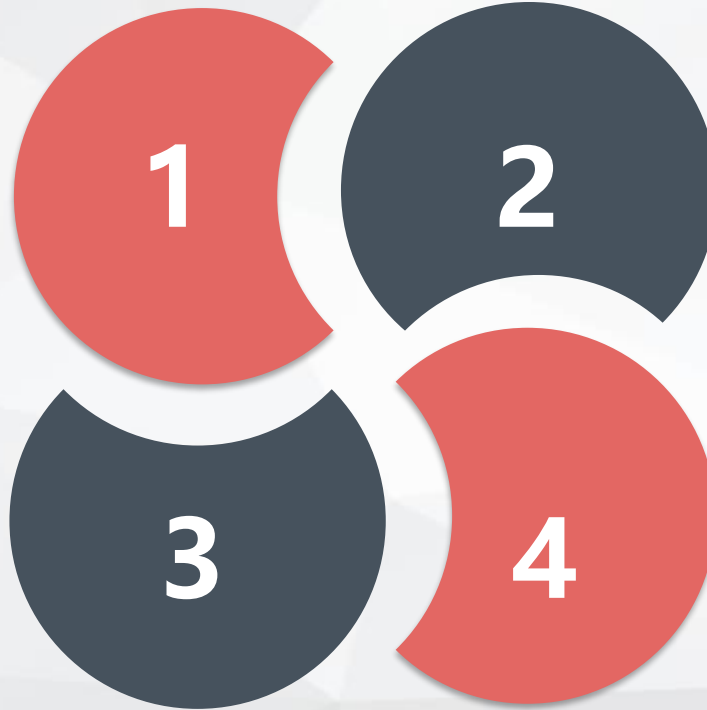
Our Product

ITEN Engineering is performing R&D work on its software called Operation and Maintenance Helper, designed to support operation and maintenance in the industry and smaller distribution utilities.

The Team

The company consists of the core team members and associates.

The core team members are engineers with experience on the projects around the globe.



Associates are our colleagues permanently employed in their base companies, mainly in the Serbian Power Distribution Utilities and the Universities of Novi Sad, Belgrade and Stockholm. Cooperation is achieved with Power Engineering, IT and GIS departments.

United together we create the powerful team capable to improve your business.

Power Network Services

SCADA Systems

Experience with various SCADA systems from different vendors (Siemens, Schneider Electric, Telvent, IMP, ABB, etc.)
Support in tendering and implementation phase
Custom Solution Design, Data migration and integration

Advanced DMS

ADMSs are including traditional DMS, SCADA and OMS functionality. It is a backbone of the Smart Grid initiative.
Support during the process of identification of operating needs
Data modelling

Transmission networks

Experience with various SCADA systems from different vendors (Siemens, Schneider Electric, Telvent, IMP, ABB, etc.)
Support in tendering and implementation phase
Custom Solution Design, Data migration and integration



Power Network Services

Industrial and commercial facilities

- Energy efficiency
- Customized industrial solutions
- Operation and maintenance analysis, enhancements, manuals, procedures and philosophy development
- Continuous consulting and education

Project Execution

- Experience on SCADA/ADMS customer projects
- Support through the whole project life cycle including the roll out of the applications in daily operations
- Support during RFP phase, creation of SOW
- Project planning, Requirement Analysis, Design Phase
- Custom Development Support
- Project QA
- Risk, Issue, Scope, Resource and Budget management



Information Technology Service

Development support

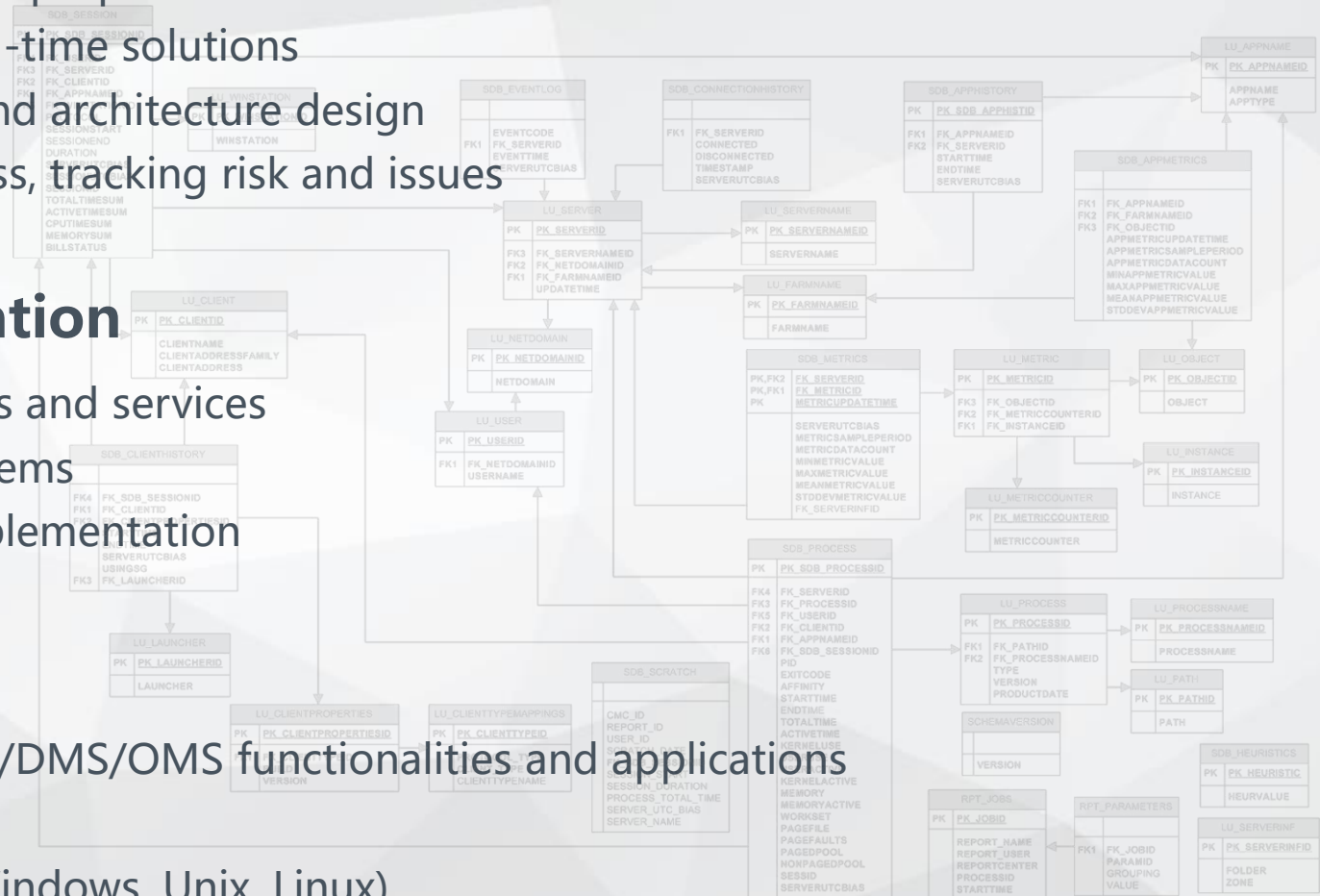
- Identification of client needs and proposal of the solutions
- Design and development of real-time solutions
- Consultancy on infrastructure and architecture design
- Monitoring development process, tracking risk and issues

Data integration and migration

- Integration with existing systems and services
- Data migration from legacy systems
- Data modelling and process implementation

Custom development

- Development of custom SCADA/DMS/OMS functionalities and applications
- Project customizations
- Cross platform development (Windows, Unix, Linux)
- General IT development



Current Activities (1)



Education City, Qatar

- Definition of Smart Grid architecture and component definition (SCADA/DMS functionality, RTU requirements, 11/xxKV substation design, required measurements, Communication system functionality, etc.)
- Look-ahead mode of operation, dynamic ratings of equipment in 11kV network
- Distribution Generation and Energy Storage presence in 11 kV network
- Demand Side Management
- Cost/benefit analysis of proposed solution



Qatar Petroleum, Qatar

- Operations & Maintenance management part of the O&M Manual
- Load Flow, Short Circuit and Protection Coordination Study
- Coordination and Sectionalizing Study
- Harmonic Analysis
- Distribution System Management Design

Current Activities (2)



EPS Elektroprivreda Srbije, Serbia

- Analysis of the impact of distribution generators
- Archiving, Reports, DMS Software, Integration with other systems
- The impact of electric vehicles on the development of the network
- The integration of automation with DG
- Criterion functions for cost / benefit analysis and comparison of variants
- The proposal of technical solutions related to the automation lines and substations
- Determining the optimal level of automation
- Detection, fault isolation and restoration – analysis of the impact of DMS systems and DG



Development of OC Suite

- Procedural support for the operation and maintenance tasks,
- Visualization of the system state,
- Geographical presentation of the network,
- Control and command,
- Historian
- Reporting and Analysis

Current Activities (3)



Kahramaa, Qatar

- Distribution System Development - Operating Philosophy (Optimal Design & Reliability)
- Revised Distribution Planning Manual



Falke, Serbia

- Automation of the plant
- Deploying industry control centre for monitoring and controlling of the facility based on OC Suite
- Optimizing energy usage
- Improving process observability and control

