

Okosis Automation & Control Systems

"The Automation Specialists"

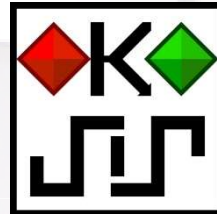
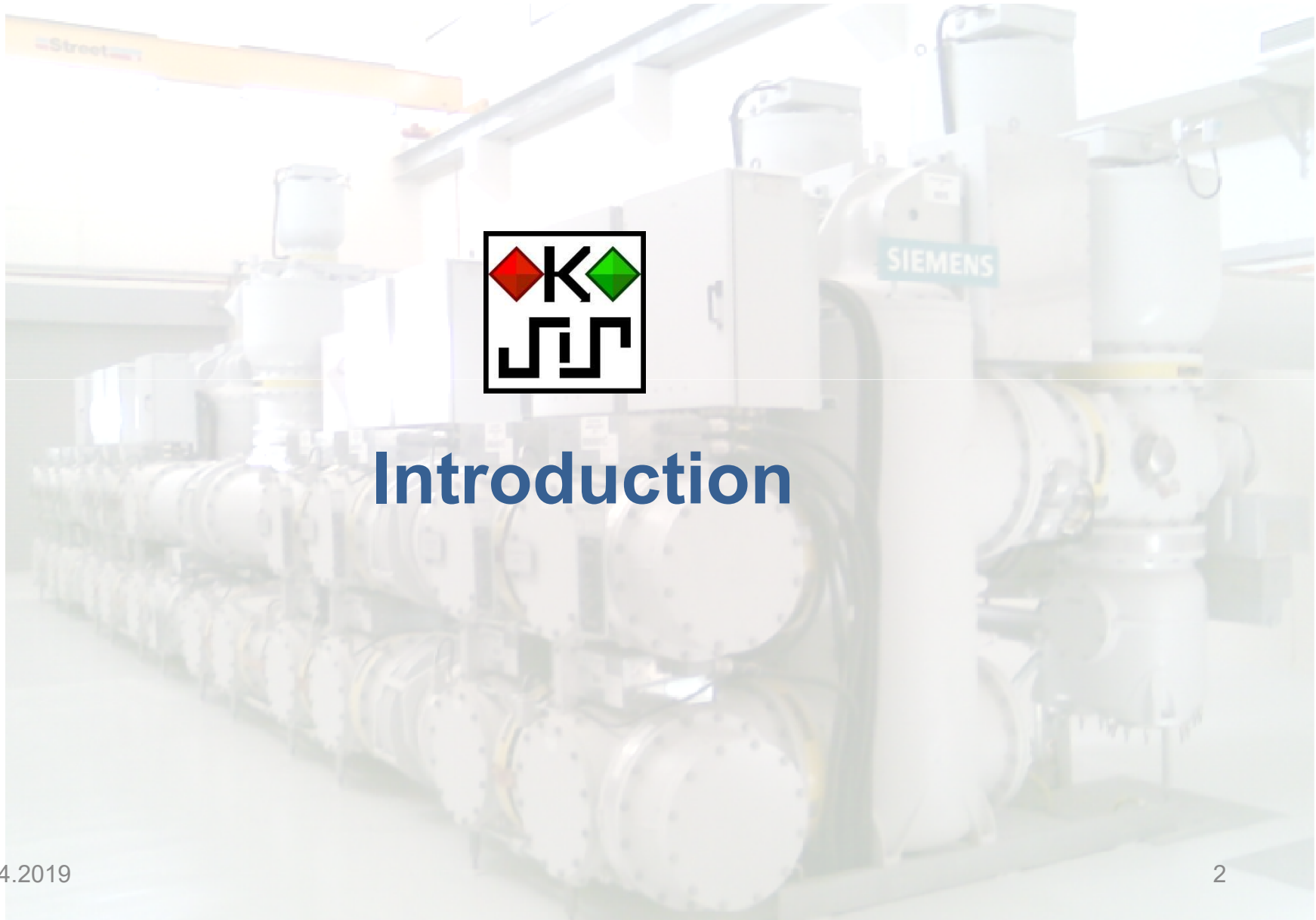
Introductory Presentation



Okosis
Automation & Control System
Industries & Corporation Company

www.okosis.com

The Specialists
Automation And Control Systems



Introduction



About Okosis

Okosis Automation & Control Systems Company has been established in 2007 to provide software & hardware solutions and engineering services.

Okosis brings together the high proficiency and great experiences on automation sector and dynamic engineering team to provide customer oriented solutions.

Some of the services that we provide are given below :

- ❑ SCADA (Supervisory Control & Data Acquisition) Solutions
- ❑ Substation Controllers, RTUs, Data Concentration
- ❑ Electricity Transmission & Distribution Systems
- ❑ Substation controlling & Protection
- ❑ Communication & Protocol Implementation
- ❑ Automation & Control Systems
- ❑ Protocol Conversion Systems
- ❑ Reporting / Analyzing / Billing Systems
- ❑ Simulation Systems



Mission & Vision

- ❑ Okosis has been established at 2007 by two professionals has great know how on Automation Systems and great experience on designing, generating, testing and comissioning of software & hardware solutions for Automation & Control Sector.
- ❑ Okosis provides turn-key solutions and engineering services with highly experienced professional engineering team.
- ❑ Okosis is the leader company with excellent references especially on the sector of Power Transmission & Distribution and Supervisory Control & Management Systems.
- ❑ We provide customer oriented, user friendly and highly efficient solutions with well known Standard SCADA software of the market.
- ❑ We provide high quality of engineering services to our valuable customer. Okosis quality of service is certified according to ISO 9001:2008 standard.
- ❑ Besides, we provide research and development projects on our sector to introduce user friendly and cost-effective solutions. We are glad to support our worldwide customers with our own software solutions.
- ❑ Preventive maintenance and uninterrupted support to our customers keep our systems alive always. We provide preventive maintenance, training and support services to our customers.



Management System Policies

We adopt ISO 9001 Quality Standard, Occupational Health & Safety and Environmental Management Systems Standards as our life style to provide the most perfect services with occupational health & safety, environmental conscious & care, customer satisfaction and zero mistake principles in our automation and control systems design and engineering services.

We place and spread this very important occupational health & safety and environmental conscious to all our units systematically to improve our efficiency, customer satisfaction, perfection of our services and products.

We provide the best working conditions and we support to continuous learning and improvement for our employees to achieve sustainable improvement and reviewing continuously suitability of quality circumstances.

We commit to prevent health corruptions with the help of occupational health & safety and environmental conscious, to improve continuously management systems performance and to obey all the other rules and regulations which we are responsible.

We commit to present our products and services with the highest quality, the lowest prize and zero mistake principles, to improve and control our products and services with management system circumstances which are created according to ISO 9001, ISO 14001 and OHSAS 18001 standards.



ISO 9001
Quality Management
Certificate



ISO 14001
Environmental Management
Systems Certificate



OHSAS 18001
Operational Health & Safety
Certificate



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Automation & Control Systems Solutions

Okosis provide turn-key solutions with experienced and dynamic team. Great references from successful Automation Projects Especially On ***Power Transmission and Distribution Systems*** sector and ***Has a Leader Role in Turkey, East Europe & Middle east in the sector.***

- ❑ Substation Automation Systems
- ❑ Project Analysis, Planning and Design
- ❑ PLC & SCADA software & parameterisation
- ❑ Automation Project implementation
- ❑ Protection Engineering, Commissioning
- ❑ SCADA Adaptation Works
- ❑ Testing & Commissioning
- ❑ Witness Test & Acceptance Works
- ❑ Documentation & Reporting
- ❑ Preventive Maintenance Works
- ❑ Fault Analysing & Solution Services





Scope of Supplied Solutions

We provide Systems & Solutions for Energy Automation & SCADA sector. We can provide Automation & SCADA material from universal solution providers, Engineering Services for programming, parameterization and commissioning works as well as Turn-key systems as a complete package.

The list of supplied solutions are given below:

- Smart Grid Solutions
- Energy Automation & SCADA
- Controllers & RTUs
- Substation Automation
- Telecontrol Center Integration
- Event Recorder Systems
- Load Shedding Systems
- Industrial Zones
- Power Consumption Monitoring



Siemens Energy Automation Solutions

Siemens Energy Automation Solutions portfolio is given for your reference. Sicam SCADA Systems and Sicam SCs / RTUs are given as well as Bay Control Devices and Energy Measurement devices.

We provide Design Works and Planning of Automation Project according to customer requirements. We manage procurement of Energy Automation and SCADA products and perform programming, parameterization of systems as well as testing and commissioning services.

Please don't hesitate to contact [Sales Department](#) for more information

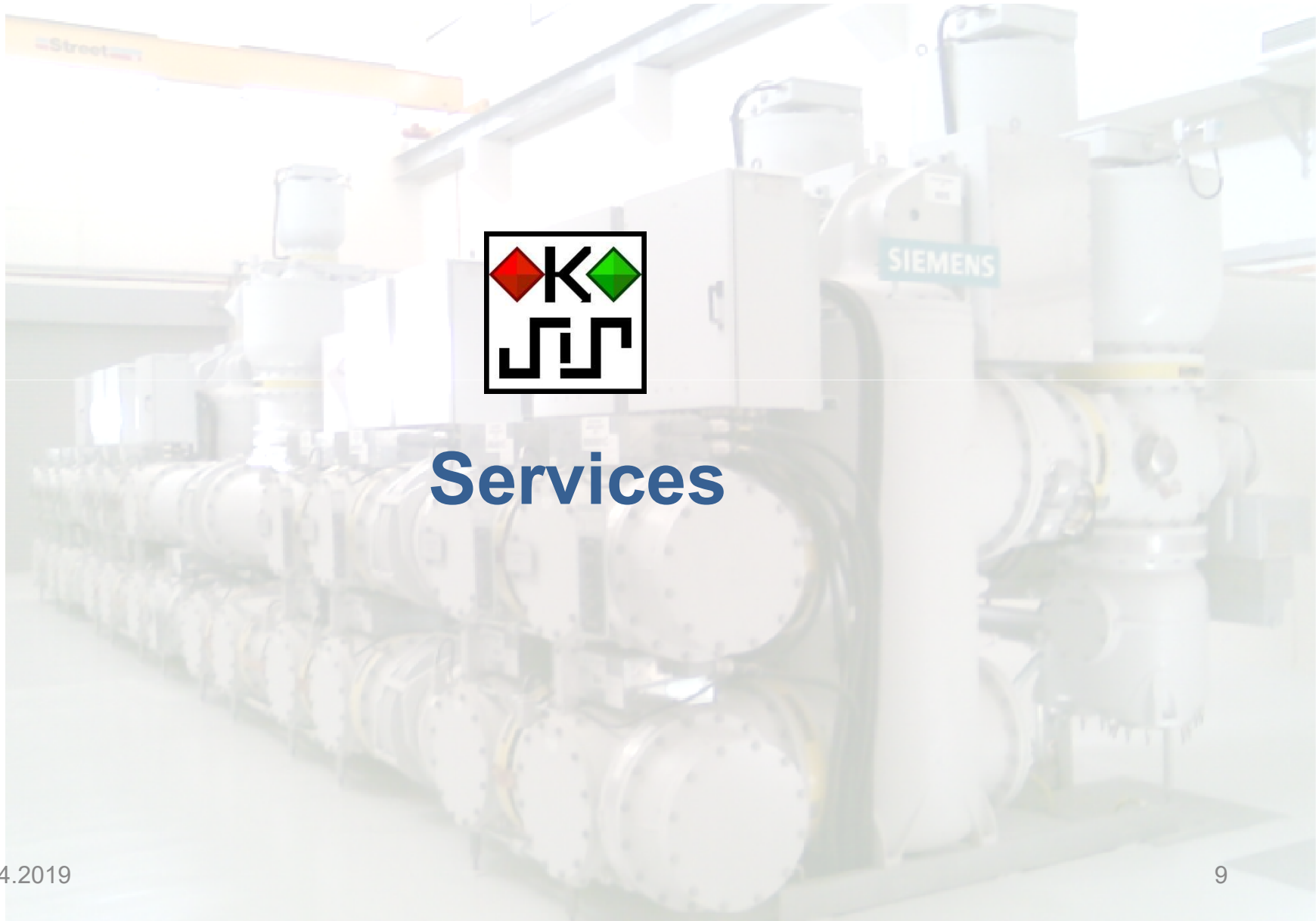




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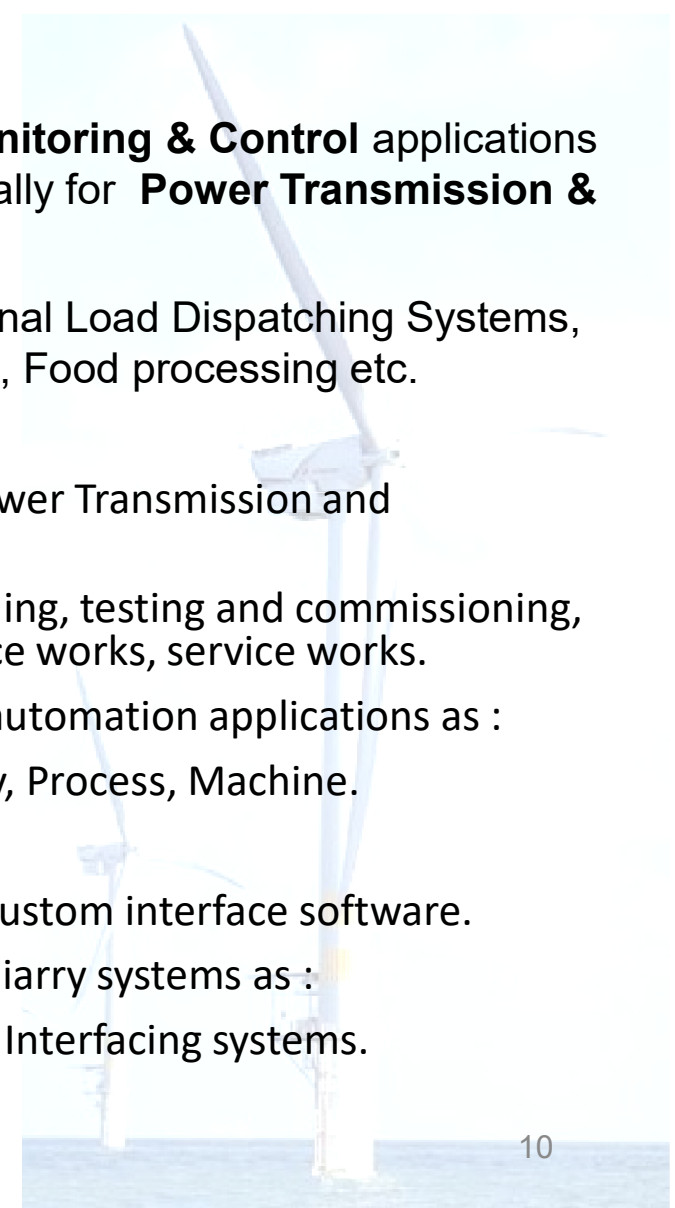


Engineering Services

Okosis has very special know-how and experience on **Monitoring & Control** applications for Substation Automation & Control (SCADA) systems especially for **Power Transmission & Distribution Systems**.

We have exclusive experience on several sectors as National Load Dispatching Systems, Airports, Refineries, Petrochemical Factories, Glass, Chemical, Food processing etc. We provide following engineering services :

- ❑ Specifying, planning, designing, installation, adaptation of Power Transmission and Distribution systems,
- ❑ Monitoring and control applications parameterizing, programming, testing and commissioning, performing witness tests, preventive & periodic maintenance works, service works.
- ❑ Establishing automation systems and implementing several automation applications as :
Load Shedding, Protection, Measuring, Power quality, Factory, Process, Machine.
- ❑ SCADA Integration with the existing multi-vendor systems :
Several communication interfaces as gateways, OPC Servers, custom interface software.
- ❑ Designing, Preparing, Installation and Commissioning of Auxiliary systems as :
Reporting, Billing, Trending , Data concentration and sharing, Interfacing systems.





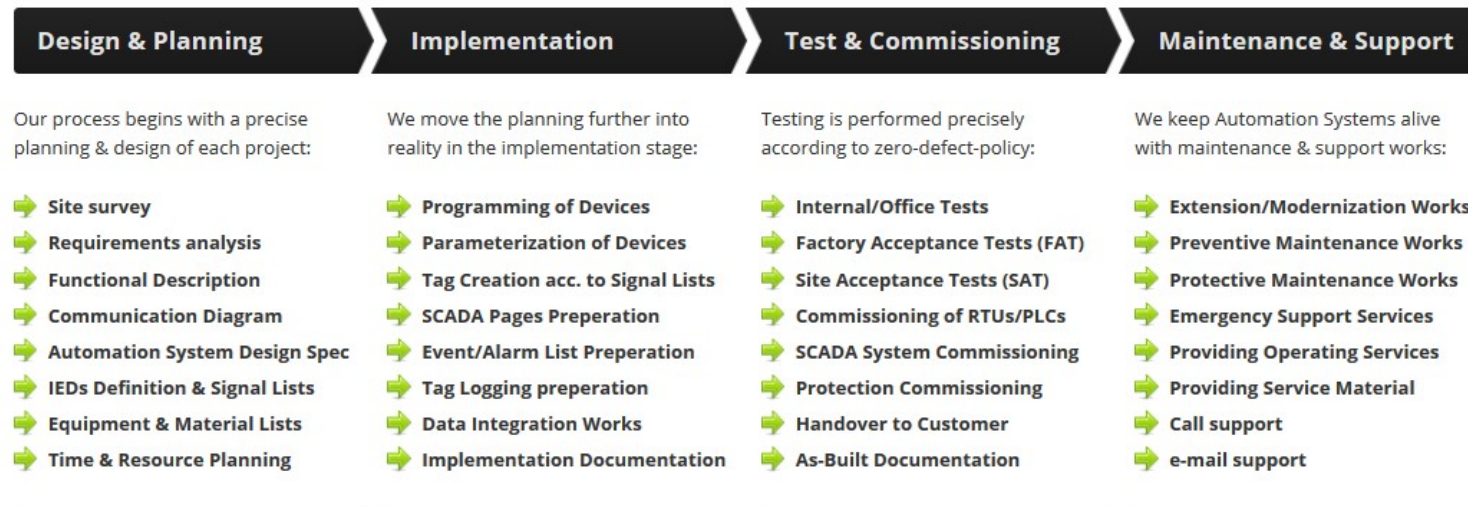
Scope of Supplied Services

We provide Worldwide Engineering Services in Energy Automation & SCADA sector with our experienced and qualified engineering team as given below:

- Automation System Design
- Project Management Services
- Programming & Parameterization
- Test & Commissioning
- Analysis Calculation Simulation Modeling
- Consultancy Services
- Installation Services & Turn-Key systems
- Maintenance Services
- Training & Support



Engineering Services Workflow





Cosultancy Services for Power Automation Systems

❖ Power Automation & SCADA System Specifications

- ❑ Existing System Analysis & Reporting, Preperation of SCADA Specification,
- ❑ Preperation of SCADA Design Documents
- ❑ Designing & Planning of Automation SCADA System,
- ❑ Preperation of Signal Lists & system Logic, interlocking etc.,
- ❑ Telecontrol interface planning, intersystem data transfer & integration plan

❖ Commissioning & Test & Acceptence Procedures

- ❑ Factory/Site Acceptence Tests,
- ❑ Supervision of cabling, SCADA commissioning



Preventive Maintenance & Services

We provide service and maintenance works for Power Automation Systems.

❖ Preventive Maintenance Services

- ❑ Periodical preventive maintenance works,
- ❑ Maintenance reports, detection of problems before failures,
- ❑ Spare lists and spare material management,
- ❑ Storage and management of project and systems backups

❖ Periodical Services and Problem Solving

- ❑ Problem solving services for SCADA systems and PLCs
- ❑ Problem detection and solving, reporting
- ❑ Maintenance and Services with spare materials

❖ Hotline / Emergency Action Team

- ❑ Hotline for emergency situation in Power Automation systems
- ❑ Action guarantee for definite time

❖ Application of revisions and Actualization/Adaptation of SCADA System

- ❑ Application of revisions to the actual projects
- ❑ SCADA / PLC software revisions

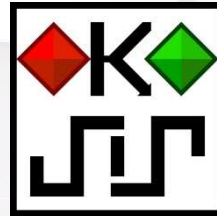




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Research & Development



Research & Development Solutions

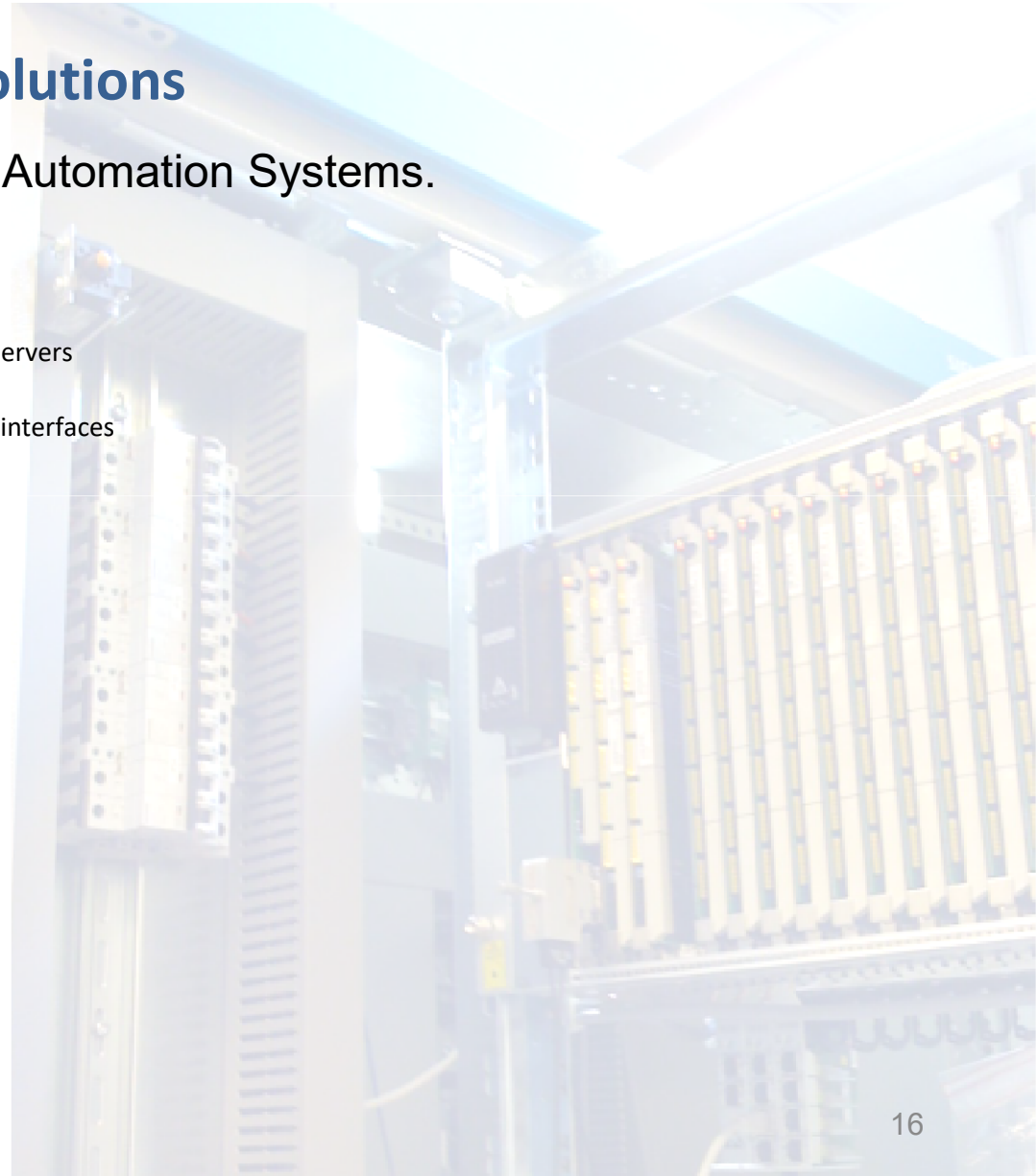
We provide R&D Solutions Power Automation Systems.

❖ Software Solutions

- ❑ IEC 61850 protocol gateways / OPC servers
- ❑ IEC 60870-5-101/103 / 104 protocol gateways / OPC servers
- ❑ Modbus RTU / TCP OPC server
- ❑ Protocol Gateways & OPC Servers for several standart interfaces
- ❑ Industrail Plant Simulation software
- ❑ ERP-MES integration
- ❑ Reporting software
- ❑ Analysis and data acquisition software
- ❑ Hardware specific OPC Servers

❖ Hardware Solutions

- ❑ Industrial communication & Data Acquisition Solutions
- ❑ PC104 based protocol gateway systems
- ❑ FPGA based systems





Scope of Supplied Research & Development Solutions

Okosis R&D Engineering office is established in Marmara TÜBİTAK Technology Development Zone (TEKGEB). We are producing solutions for Energy Automation and SCADA systems interoperable with industrial standards. Besides, custom software solutions especially for integration with non-standard protocols is implemented by our experienced software development team.

The list of supplied R & D solutions are given below:

- TCC Event Recorder Systems
- TCC Alarm Reporting Systems
- Protocol Gateway Systems
- OPC Solutions
- Simulation Systems
- Custom Hardware Implementations



Research & Development Works

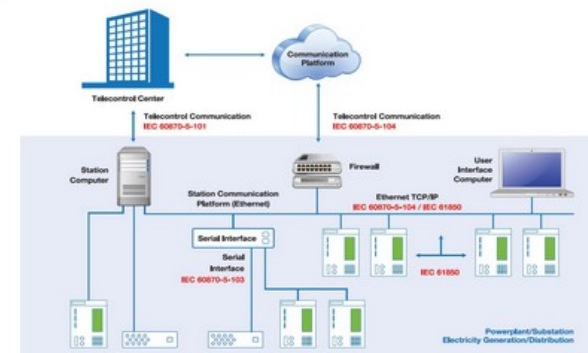
The Research & Development projects organized as given below:

Software Solutions

- Tele Control Center (TCC) Event Recorder Systems (UKM-OKS)
- TCC Online Alarm Monitoring, Station Analysis and Reporting System (UKM-ARS)
- Energy Monitoring and Control System SCADA Solutions (PMCS)
- Energy Automation Protocols Applications and OPC Server Interface Software as:
 - IEC 60870-5-101, IEC 60870-5-104, IEC 61850
 - Modbus RTU / Modbus TCP
 - IEC 62056
 - OPC Server software according to hardware
- Energy Automation SCADA and Web Interface Software
- Data Acquisition and Analysis Software
- Reporting, Analysis and Billing Software
- Simulation Software

Hardware Solutions

- Gateway systems based on PC104
- Special solutions for industrial communications and data acquisitions
- Data Acquisition Systems





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Solutions

Services

R & D

Contact



Thank You

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Systems & Solutions



Engineering Services



Research & Development

