

PFE BOOK

2025-2026

Your career path for excellency starts with us !



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Who we are

Integration Objects is a global digital company driving innovation in Industry 4.0, IT-OT-IIoT integration, industrial cybersecurity, big data analytics, and integrated command and control centers.

Since 2002, we've been helping organizations in the process, power, energy, and utilities sectors, as well as defense and government institutions, build smarter, safer, and more connected operations.

We're ISO 9001:2015 and ISO 27001 certified, and proud members of *the OPC Foundation*, *the Eclipse Foundation*, and the *Open Industry 4.0 Alliance*.

Our team combines expertise in software development, AI, cloud analytics, and systems integration to deliver cutting-edge, out-of-the-box OPC products and industrial digital transformation solutions.



Who we're looking for

At Integration Objects, we're passionate about technology, innovation, and teamwork – and we're always looking for talented people to grow with us

Target Profiles

- Industrial Instrumentation & Maintenance (IMI)
- Industrial Computing & Automation (IIA)
- Electrical Engineering
- Electrotechnical & Industrial Electricity
- Mechatronics
- Polytechnical Engineering



Our customers

Our customers are located on five continents and include the largest industrial companies in the world such as ExxonMobil, Total Energies, Chevron, Saudi Aramco, BG, and Glencore.



1 Study Development and Design of SCADA System for an Early Production Facilities

ABSTRACT

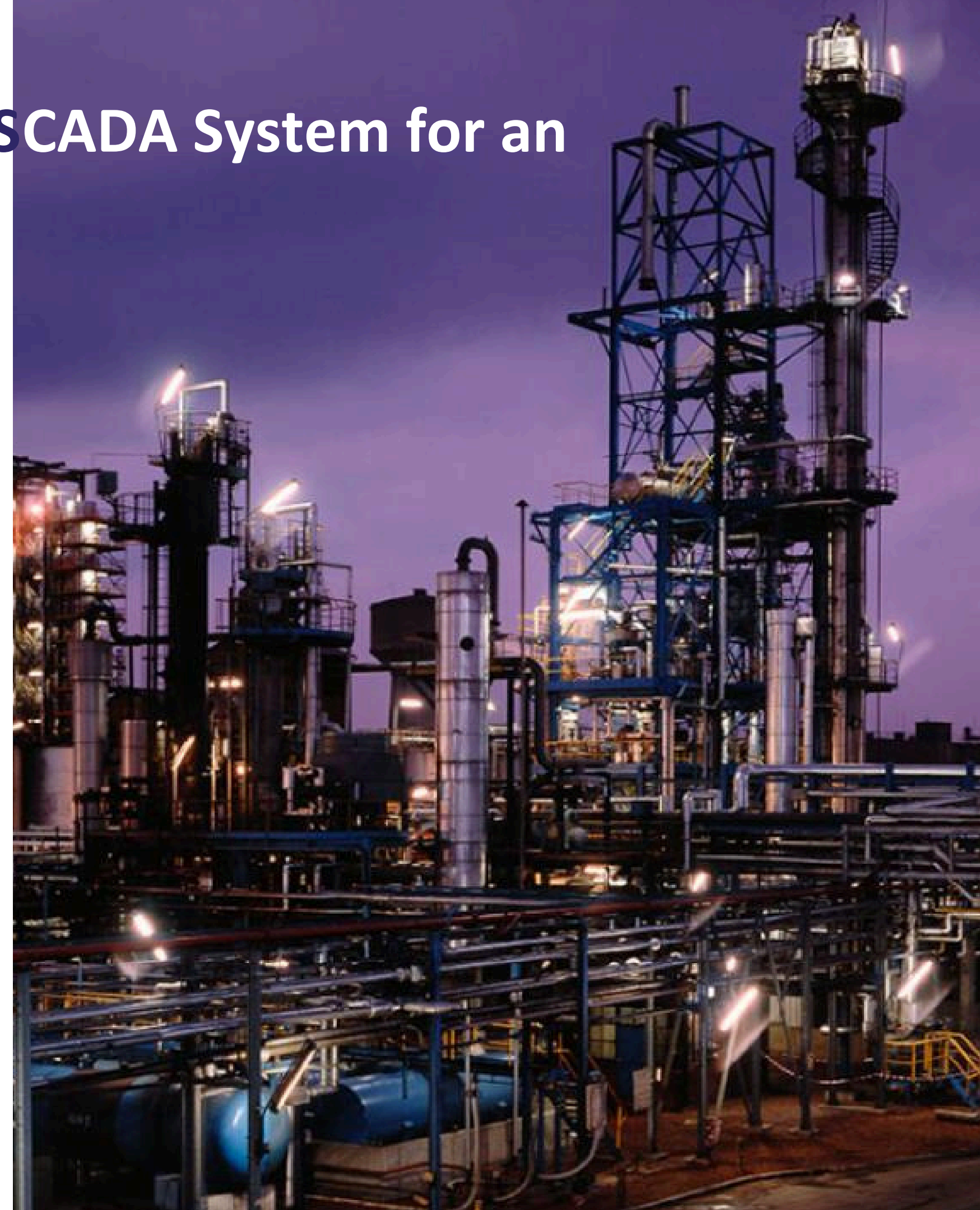
Realization of complete study for an integrated control and safety system including development of instrumentation, communication, control logic and human machine interfaces.

DELIVERABLES

- Research and documentation on the industrial automation main technologies and communication protocols (SCADA, DCS, RTUs, PLC, OPC, Modbus, DNP3, etc.)
- Study the design input documents.
- Study, development and design of the supervisory control and data acquisition system architecture and technical solution.
- Study, development, and design of communication protocols.
- Study, development and design of the control system cabinets.
- Study, development and design of loop diagrams and control logic.
- Configuration, programming and developing human machine interfaces,
- Test and Internal deployment of the system.

KEY WORDS

DCS, ICS, F&G, Modbus, SIS



2 Study Development and Design of an Oil Site Integrated Control and Safety System

ABSTRACT

Realization of complete study for an integrated control and safety system including development of instrumentation, communication, control logic and human machine interfaces.

DELIVERABLES

- Research and documentation on the industrial automation main technologies and communication protocols (SCADA, DCS, RTUs, PLC, OPC, Modbus, DNP3, etc.)
- Study the design input documents.
- Study, development and design of the integrated control and safety system architecture and technical solution.
- Study, development and design of fire and Gas instrumentation.
- Study, development, and design of communication protocols.
- Study, development and design of Control and Safety system cabinets.
- Study, development and design of loop diagrams and control logic
- Configuration, programming and developing human machine interfaces,
- Test and Internal deployment of the system.

KEY WORDS

DCS, ICSS, F&G, Modbus, Safety System, Oil and Gas Industry



Study Development and Design of SCADA System for a Gas Pipeline

ABSTRACT

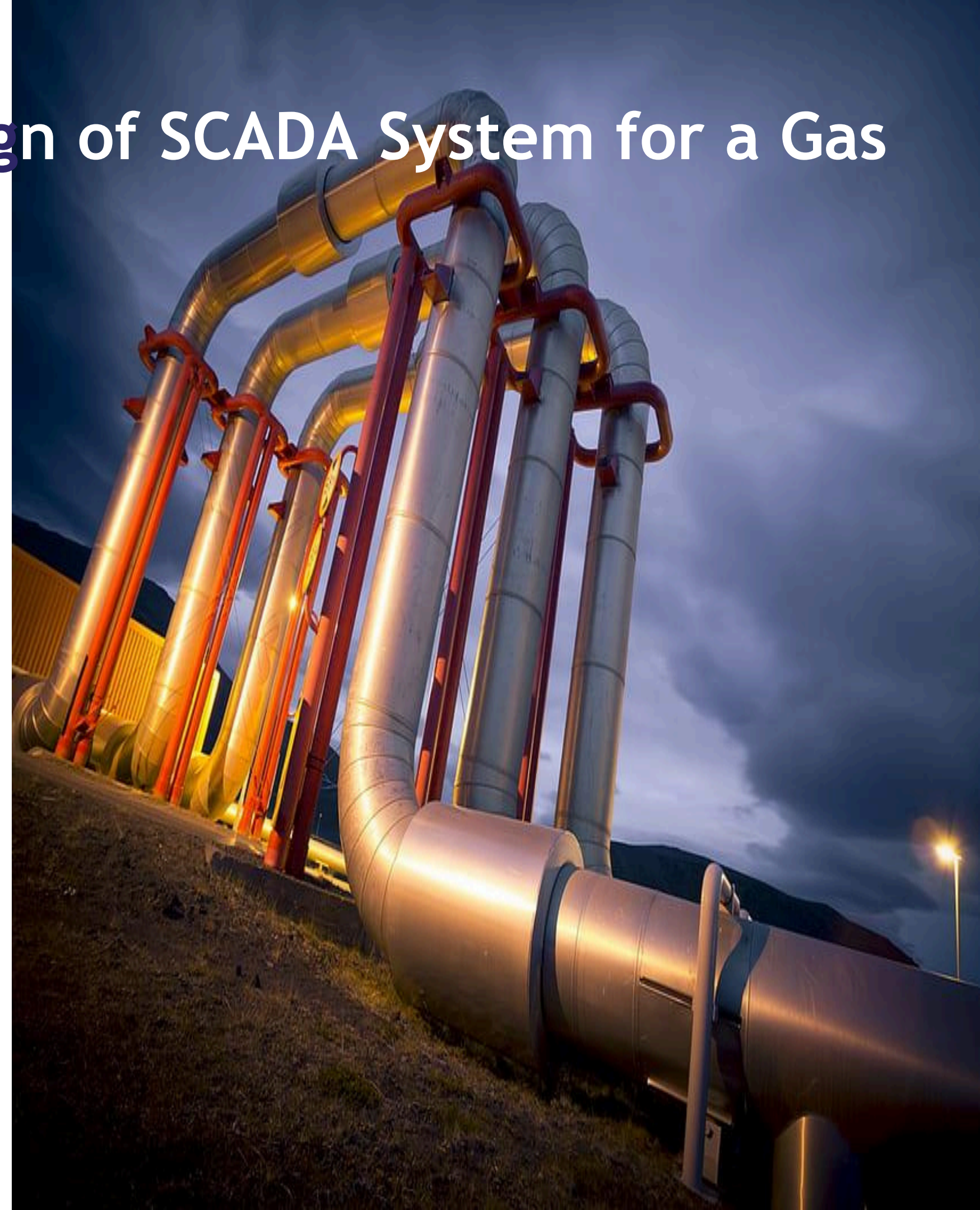
Realization of complete study for SCADA System for a gas pipeline including Safety Instrumented System.

DELIVERABLES

- Research and documentation on the industrial automation main technologies and communication protocols (SCADA, DCS, RTUs, PLC, OPC, Modbus, DNP3, etc.)
- Study the design input documents.
- Study, development and design of the control system architecture and technical solution.
- Study, development, and design of communication protocols.
- Study, development, and design of process control logic
- Configuration, programming and developing human machine interfaces,
- Test and internal deployment of the system.

KEYWORDS

RTU, HMI, ESD, Oil&Gas Industry



Study, Development, and Design of a Pumping Station Control System

ABSTRACT

Realization of a complete study for a pumping station control system, including the development of control logic, communication,, and human-machine interfaces for integrated operation and monitoring.

DELIVERABLES

- Research and documentation on the industrial automation main technologies and communication protocols (SCADA, DCS, RTUs, PLC, OPC, Modbus, DNP3, etc.)
- Study the design input documents.
- Study,development and design of the control system architecture and technical solution.
- Configuration of communication protocols.
- Study, development,and design of process control logic
- Configuration, programming and developing of human machine interfaces,
- TestandInternaldeploymentofthesystem.

KEYWORDS

RTU, HMI, OIL&GAS, TELEMETRY.



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