

SMT

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Software Development

Industrial Software Development and Implementation Service
Design, development, validation, and implementation of software solutions enabling control, monitoring, and integration of industrial equipment and processes.

Objectives

- Automate processes
 - Improve operational efficiency
 - Ensure traceability and control
 - Integrate systems and data
 - Adapt solutions to customer-specific needs
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Customer Responsibilities

- Incomplete requirement definition
- Scope changes during development (subject to additional quotation)
- Support for integration with IT systems
- Version management

Scope of Application

- PLC programming
 - HMI / SCADA development
 - Line control systems
 - MES / ERP integration
 - Data acquisition systems
 - Digital solutions (Power Platform, dashboards, etc.)
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Includes

- New developments
 - Software upgrades / modifications
 - Standardization (libraries, templates)
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Service Modalities

- Full development: from specification to commissioning
- Adaptation: modification of existing software
- Standardization: creation of templates
- Integration: connection with external systems
- Support / maintenance: corrective and evolutionary

Methodology


1. Definition: clear requirements
2. Design: architecture and logic
3. Development: structured programming
4. Testing: simulation and validation
5. Implementation: FAT → SAT
6. Closure: documentation and delivery

Roles and Responsibilities

- Software engineering: development and validation
- Automation: hardware integration
- Project Manager: planning and coordination
- Customer: functional validation
- Customer IT: system integration support

Associated Costs

- Engineering hours
- Development and testing
- Integration
- Travel (for SAT)
- Post-commissioning support

 Any changes outside the initial scope will be handled as a change request