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Application Service – Smart Demo Center

Description

Testing and validation of processes in a controlled environment.

Objective

To validate processes, technologies, and solutions before industrial implementation using Demo Center equipment.

Benefits

- Reduce technical risks before investment
- Validate process feasibility
- Optimize production parameters
- Demonstrate solutions
- Accelerate decision-making

Scope

- New process validation
- Proof of concept (PoC)
- Application development
- Optimization
- Commercial demonstrations

Conducted at the manufacturer's Demo Center with specialized technical resources.

Service Modalities

- Internal testing (manufacturer)
 - Testing with customer (on-site or remote)
 - Co-development (customer + engineering)
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Service Content

Test Preparation

- Definition of objectives and success criteria
- Process analysis
- Equipment selection and configuration
- Preparation of materials and tooling

Test Execution

- Feasibility study
 - Material handling
 - Resource planning
 - Equipment usage
 - Parameter configuration
 - Iterative testing
 - Multi-condition testing
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Process Validation

- Technical result evaluation
 - Product quality
 - Process repeatability
 - Identification of limits
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Technical Analysis

- Risk identification
- Process critical points
- Technical recommendations
- Alternative solutions

Demonstration (if applicable)

- Production simulation
 - Customer presentation
 - Functional validation
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Methodology

- Structured approach:
 1. Kick-off / Definition
 2. Objectives
 3. Scope
 4. Setup
 5. Testing
 6. Iteration
 7. Analysis
 8. Final report
 9. Conclusions & recommendations