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Review Design (Design Review / DFM Review)

Description

Technical review aimed at optimizing manufacturability.

Objective

To evaluate equipment or system design from a technical and industrial perspective to improve:

- Manufacturability
 - Assembly
 - Cost
 - Reliability
 - Maintenance
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Scope

- Mechanical design
- Electrical architecture
- Automation (PLC/HMI)
- Modular system design

Preparation

- Collection of drawings, 3D models, schematics
- Definition of review criteria
- Multidisciplinary review (mechanical, electrical, automation, production, maintenance)

Deliverable

Structured improvement report including:

- Executive summary
- Observations
- Identified risks
- Improvement proposals
- Estimated impact (cost, time, quality)
- Prioritized recommendations