



Quality Engineering

? What is It

Methods and principles to improve business processes and achieve a certain level of quality for products or services. Quality engineering offers a way forward with a proactive, preventive approach to implementing quality systems that solves the business quality challenges.

🕒 When

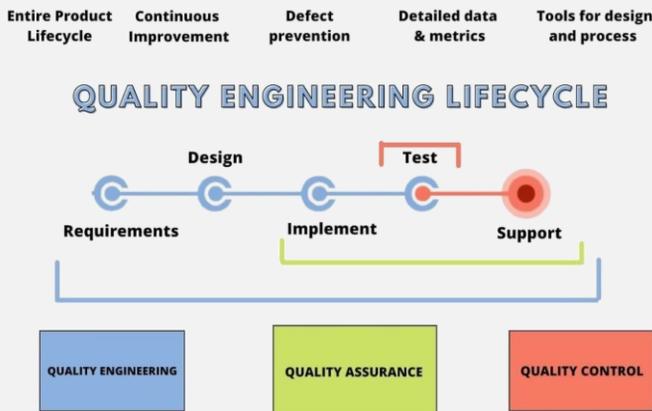
- Product and Process **development**.
- Reduce business **costs**.
- To improve **time** to deliver.

🎯 Goals

- **Preventive** methods rather than reactive.
- **Control** variation in processes.
- Implement robust **Risk Management**.

📊 How

Quality Engineering Life Cycle.



Risk Management



👤 The QMS

- Quality Engineering**
- Customer Requirements
 - Customer Audit Coordination
 - Customer Quality System
 - Customer SPEC / Document Control

- Continuous Improvement**
- CIP/6S
 - Quality Training
 - Lesson Learn
 - Problem Solving/8D
 - Internal Audit
 - Automotive Quality System

- Supplier Quality Engineering**
- Material Quality Management
 - Supplier Management



- Robust Design**
- APQP/PPAP/FMEA
 - Process Design and Development
 - Process and Product Validation

- Manufacturing & Quality Control**
- Control Plan/SPC/MSA
 - Automation System/MES
 - Process Change Control
 - Non-Conforming Management
 - Defect Reduction
 - Outgoing Quality Control

