



# ASQ CRE Prep course

Lesson III. A. 10.  
Human Factors



Consider those people, too

# HUMAN FACTORS CONSIDERATIONS

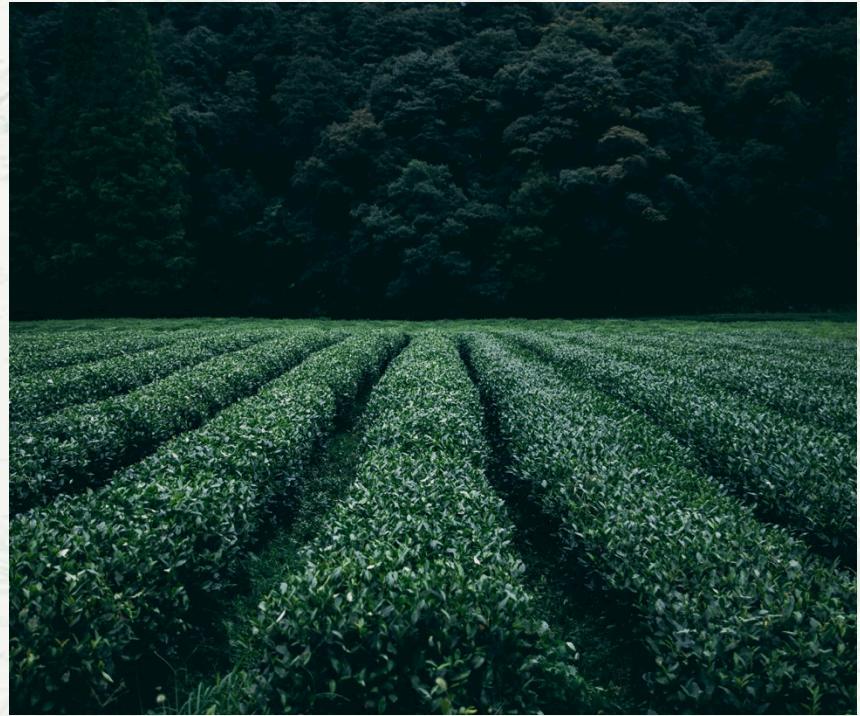
# Categories

**Safety**

**Workmanship**

**Maintainability**

- **Reduction of maintenance**
- **Ease of maintenance**



# Man vs Machine

**Human are better at:**

**Machines are better at:**

# Man vs Machine

**Human are better at:**

**creativity, inductive reasoning**

**dealing with unexpected**

**Machines are better at:**

**precise & repetitive motions**

**deductive reasoning, quick reaction**

# Design Principles

- **Standardization**
- **Automation**
- **Simplification**
- **Load sharing**
- **Sensory amplification**

Part  
communication  
part physical



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Design for X (DFX)