
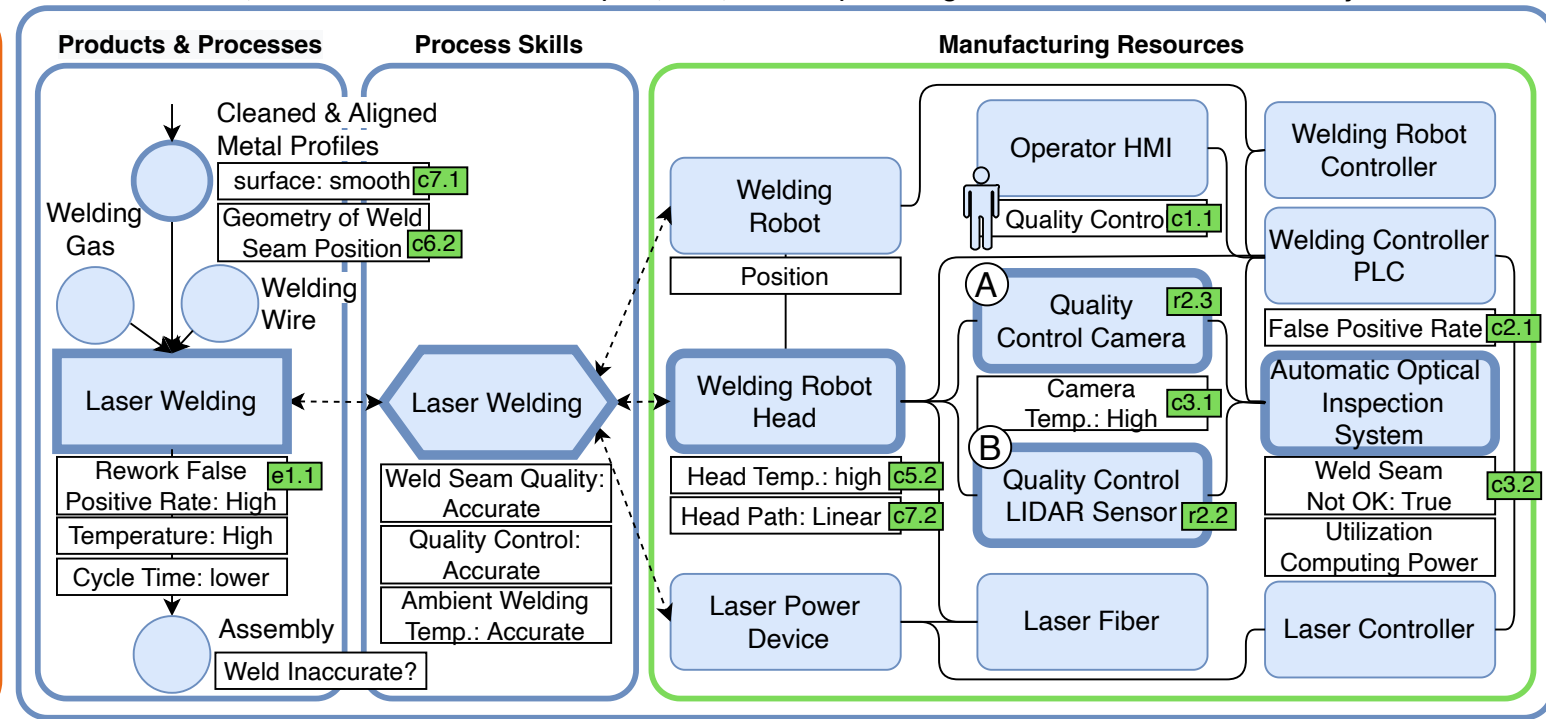
 Quality Manager

 Prod.Sys. Engineers

Stakeholder questions:

Resource function:  
When is the **Rework Selection False Positive Rate** high?

Production quality:  
Why is the **Welding issue rate** high?



Production system variability model and configurations **r2.3**, **r2.2**

Product AAS: Profile **c7.1**, **c6.2**

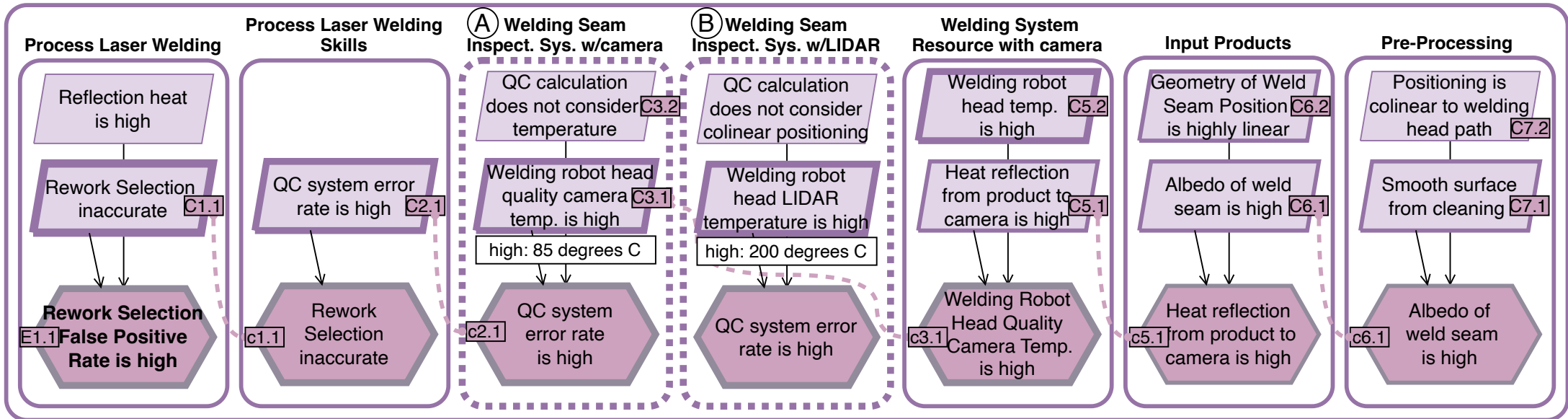
Resource AAS: Welding Robot **c5.2**, **c3.1**

Resource AAS: Automatic Optical Inspection System **c3.2**, **c3.1**, **c2.1**

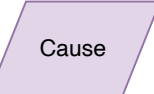
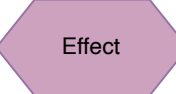
Production Operation Data

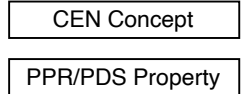

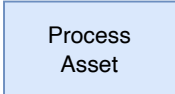
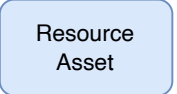
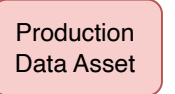
Process Recipes (required accuracy)

FMEA Cause & Effect Network (CEN, DIN 60812)



Legend:

 Cause  Effect

 CEN Concept  Product Asset  Process Asset  Resource Asset  Production Data Asset

**Dependency Links:**

- Product-Process (solid arrow)
- Process-Resource (dashed arrow)
- Cause-Effect (solid arrow)

**(arrows are marker pairs):**

- e1.1** **E1.1** PPR-to-CEN Dep.
- c2.1** **C2.1** PDS-to-CEN Dep.
- c1.1** **C1.1** CEN Dependencies

Upper case letter marks arrow head; Lower case letter marks arrow base.