



TECHNISCHE
UNIVERSITÄT
WIEN

Buffer Station

Information Technology in Automation

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Outline

Station Five

 Overview

SysML Model

 Overview Package Diagram

 Structure Diagram

 Requirements Diagram

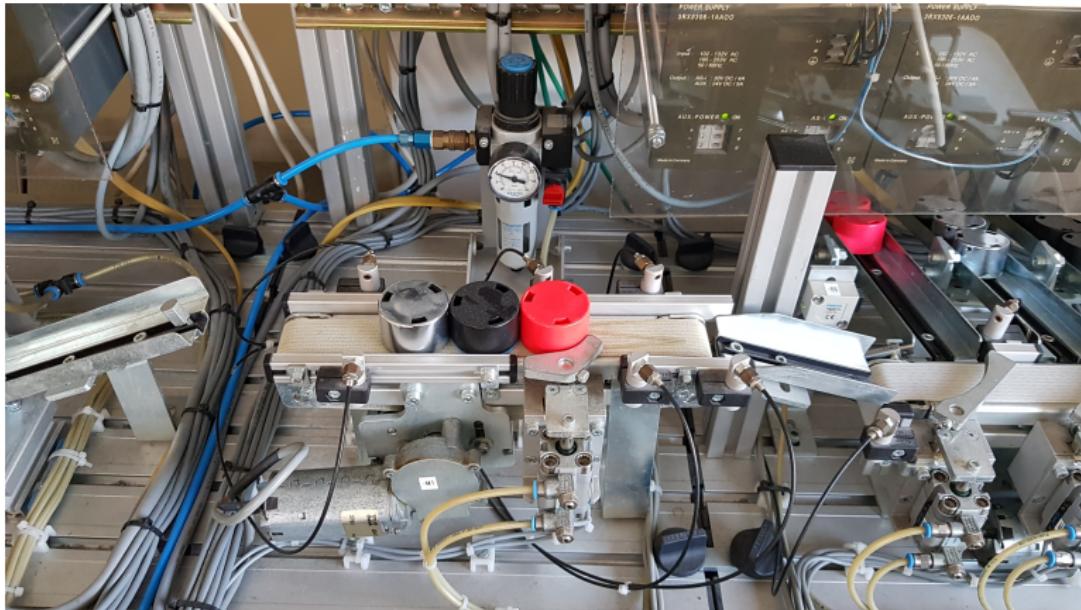
 Use Cases Diagram

 Use Cases Diagram

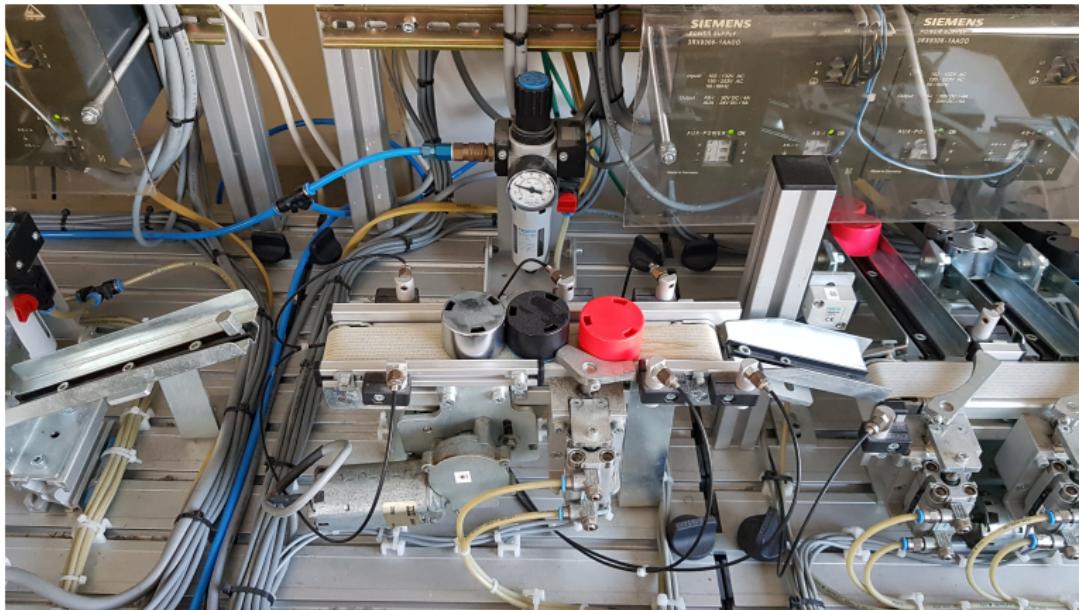
 PhysicalSubSystem

 Miscellaneous

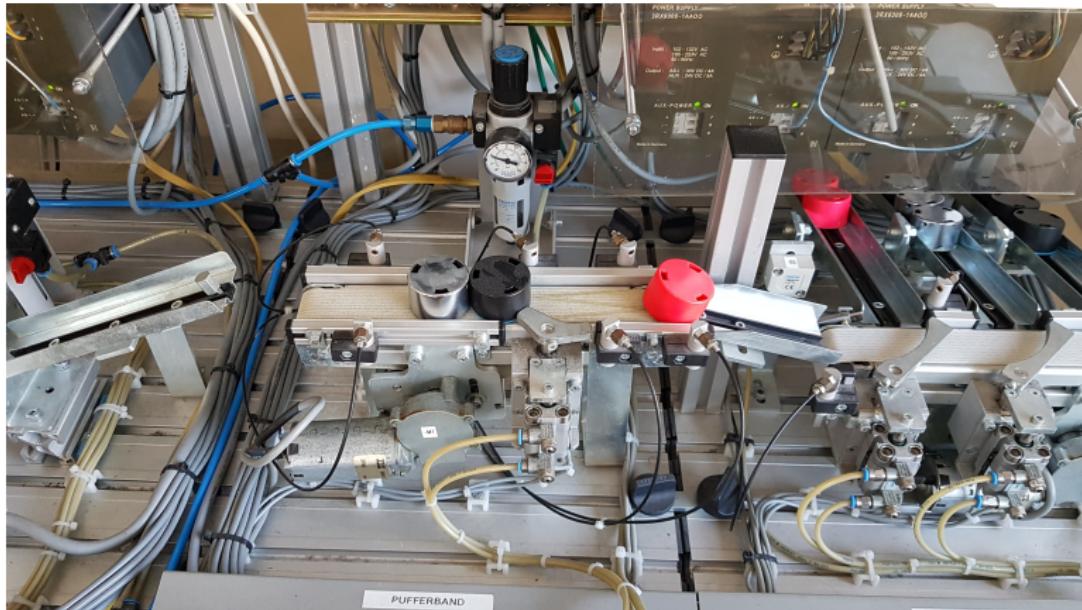
Station Five: Overview



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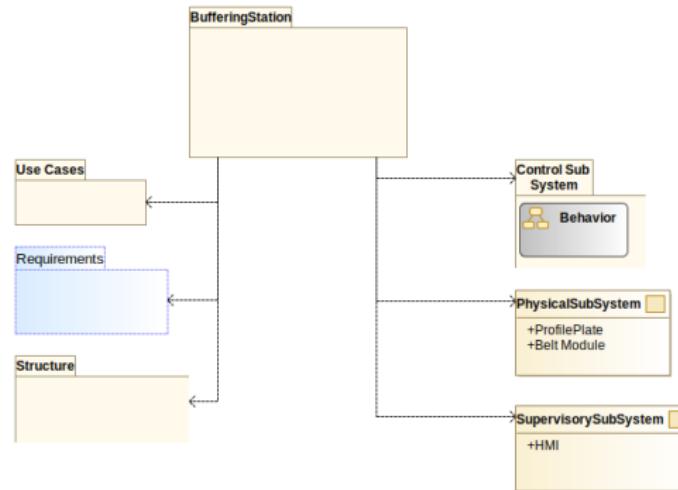


Figure 1: Station 5: Overview Diagram

Station Five: Structure

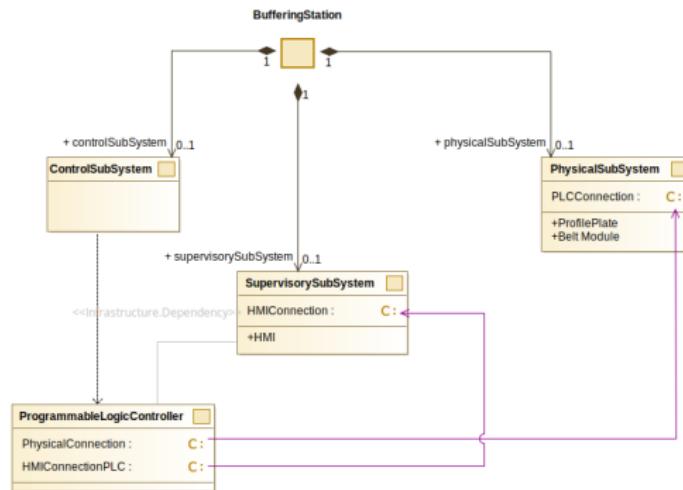


Figure 2: Station 5: Structure Diagram

Station Five: Requirements

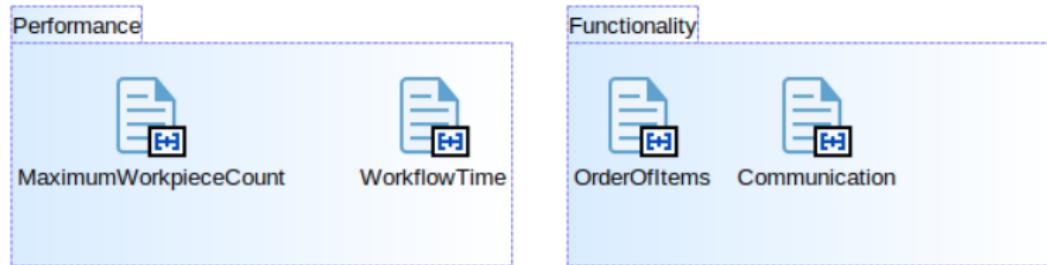


Figure 3: Station 5: Requirements Diagram

Station Five: Use Cases

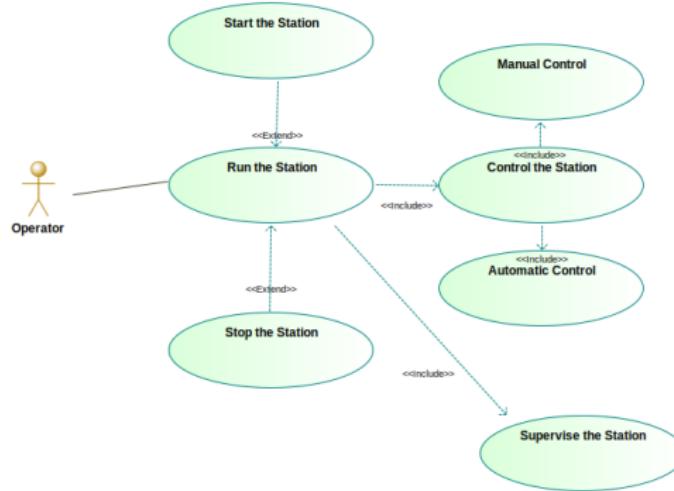


Figure 4: Station 5: Use Cases

Station Five: Behavior Diagram

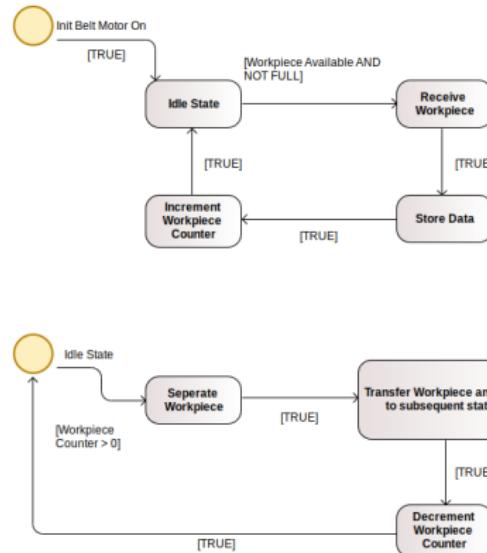


Figure 5: Station 5: ControlSubSystem Behavior

Station Five: PhysicalSubSystem

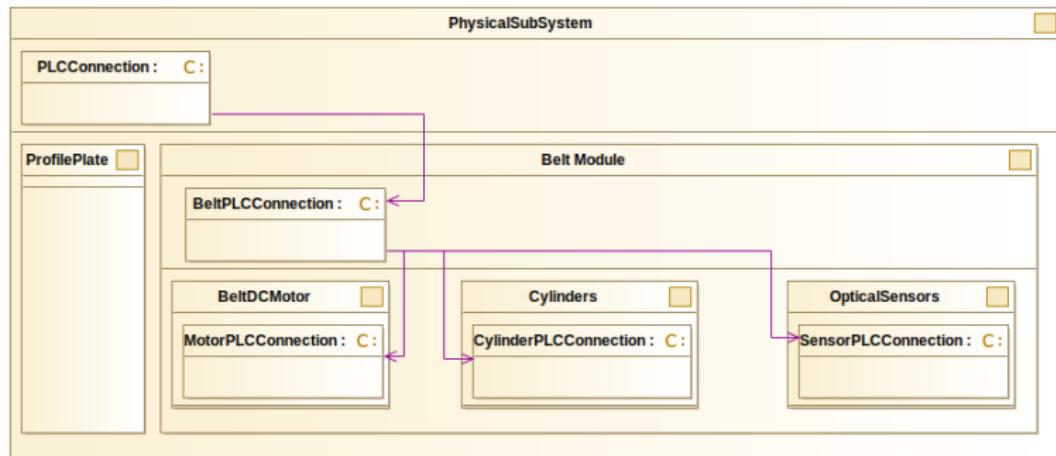


Figure 6: Station 5: PhysicalSubSystem Block Diagram

Station Five: Miscellaneous

- The **SupervisorySubSystem** models a very high-level abstraction of the **Human Machine Interface**.
- The **Programmable Logic Controller** models a very high-level abstraction of the PLC we are using, just to emphasize its connections with the physical world
- The abstract connections shall emphasize the real-world physical connections (Profibus)