

Connectivity - what is the problem today?

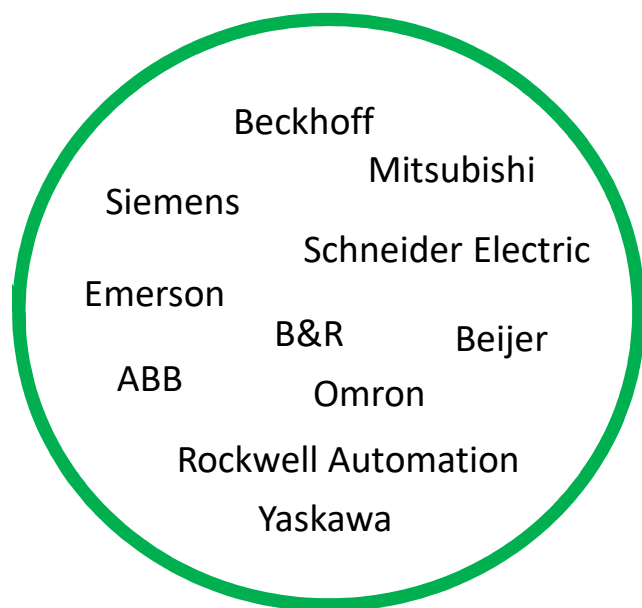
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Connectivity - what is the problem today?

- Who has the challenge? End-User, OEM/Machine builder, other
 - Where is there a problem: Machine or Process area
 - What is available from Automation suppliers of possibilities - standard protocols
- Example PackML/PackTags exchange between different platforms
 - OPC UA are we ready?
 - Other protocols?
- Which protocol/solution should be chosen? Real-Time Requirements
 - OPC UA
 - MQTT
 - TSN
 - ODVA
- The seminar will give a picture of this question
 - ISO reference model – used for the future – we need a frame.

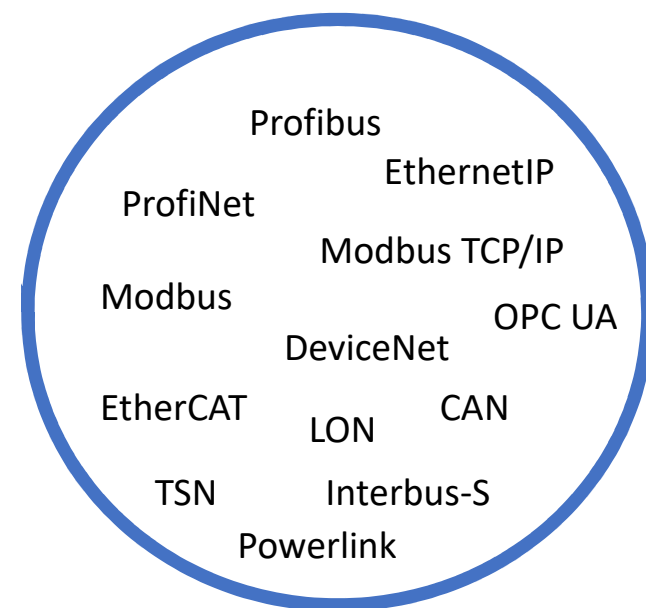
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Many Automaiton Suppliers

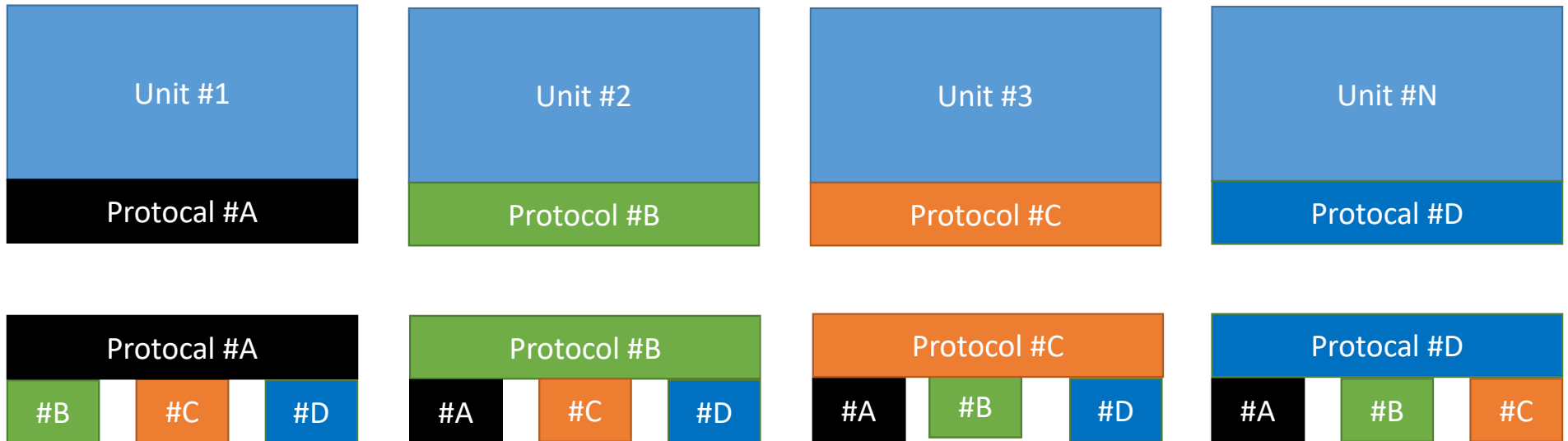


Many involved companies



Many Protocols

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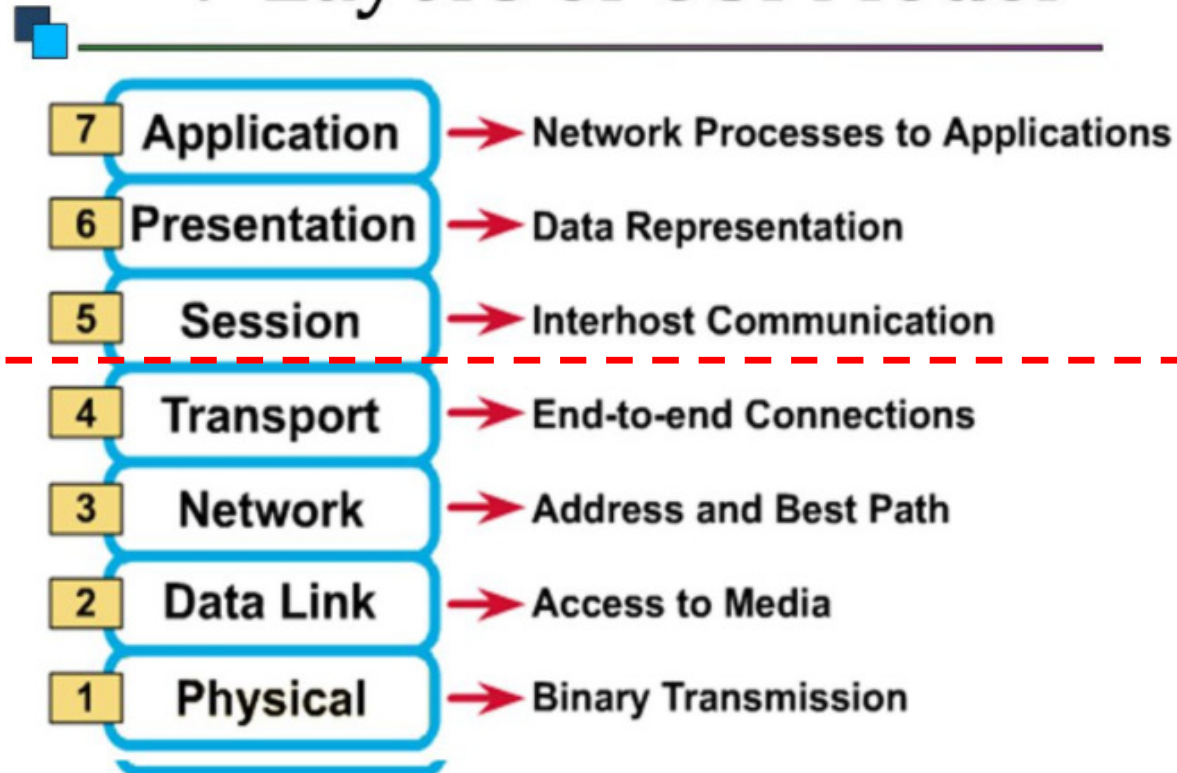
Challenges

- Price
- Complexity
- Distribution of responsibilities



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7 Layers of OSI Model





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Questions