PLCopen - changing the world of industrial automation

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What is this?

1100 1010 0011 0101
How do I get access to it?

1100 1010 0011 0101

Where can I find it?

HMI with graphic representation of temperature value

Controller with temperature value

How?
It is not about the networks
It is about communication

It is not about data
It is about information
**TC4 Communication**

- OPC UA specifies HOW
- PLCopen specifies WHAT

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**IEC 61131-3 Software Model**

- Resource
  - Task
  - Program
  - FB
- Global and direct variables
- Access path
- Communication Function
- Execution control path
- Variable access path
- Function Block
- Variable
Different entry point:

- **Beckhoff Cntrl**
- **Bosch-Rexroth Logic**
- **B&R Cntrl**

...but semantic identical objects!

**Entry point into namespace**

- **Object types based on Function Blocks**
- **Full object hierarchy below DeviceSet**
- **Entry point for DA Clients like HMI**
Under Development

- Define set of FBs for UA Client communication
- Set of communication FBs for the IEC level
- Basis for Machine-to-Machine communication

Under development: Name Tags

- For several different industries
- Make access to information possible in an automated way
- “Plug-and-Play” in industrial control
Overview PLCopen

PLCopen for efficiency in automation

Thanks !

End of this presentation