Dagens webinar

Motion Control

Teknologiobjekter og applikationseksempler

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Dagens værter

Jakob Nordtorp, Technology Specialist

Simon Sonne, Technology Specialist

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Agenda

- What is a Technology Object (TO)
- Different Technology Object types
- Technology Object in TIA Portal
- Application examples

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Why Technology Objects ?

- Increasing complexity
- Short time to marked
- Standardization
- Complete system integration
- Co-working, support and maintenance

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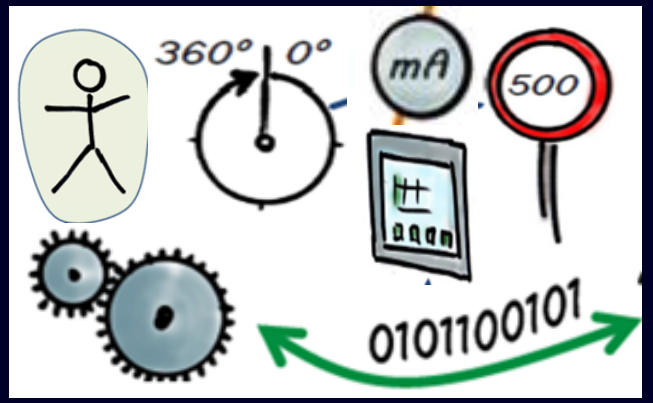
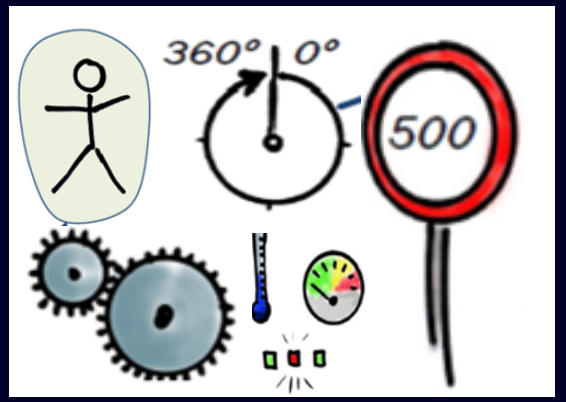
Classic Motion Control task





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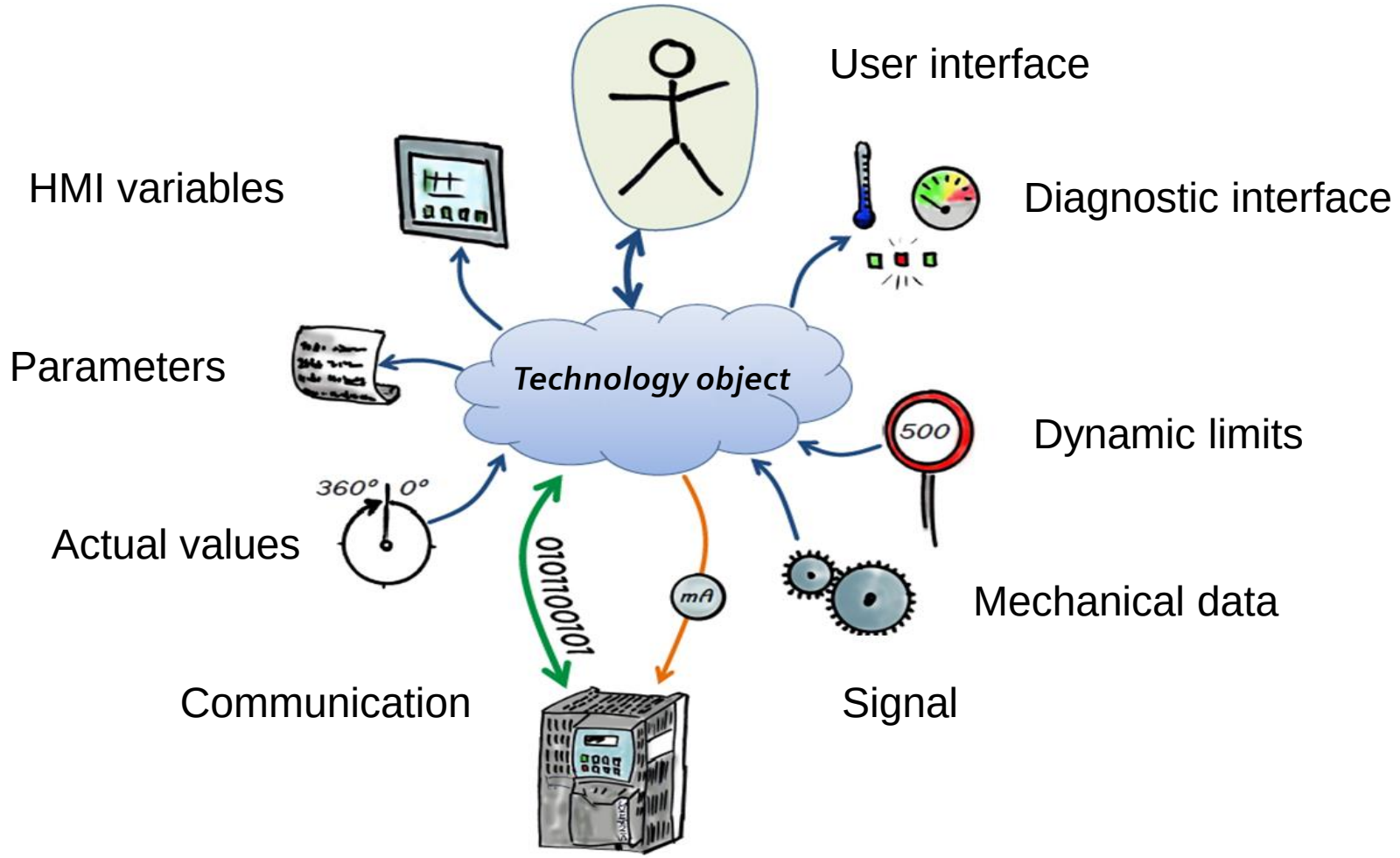
SIMATIC S7-1500- Technology Objects



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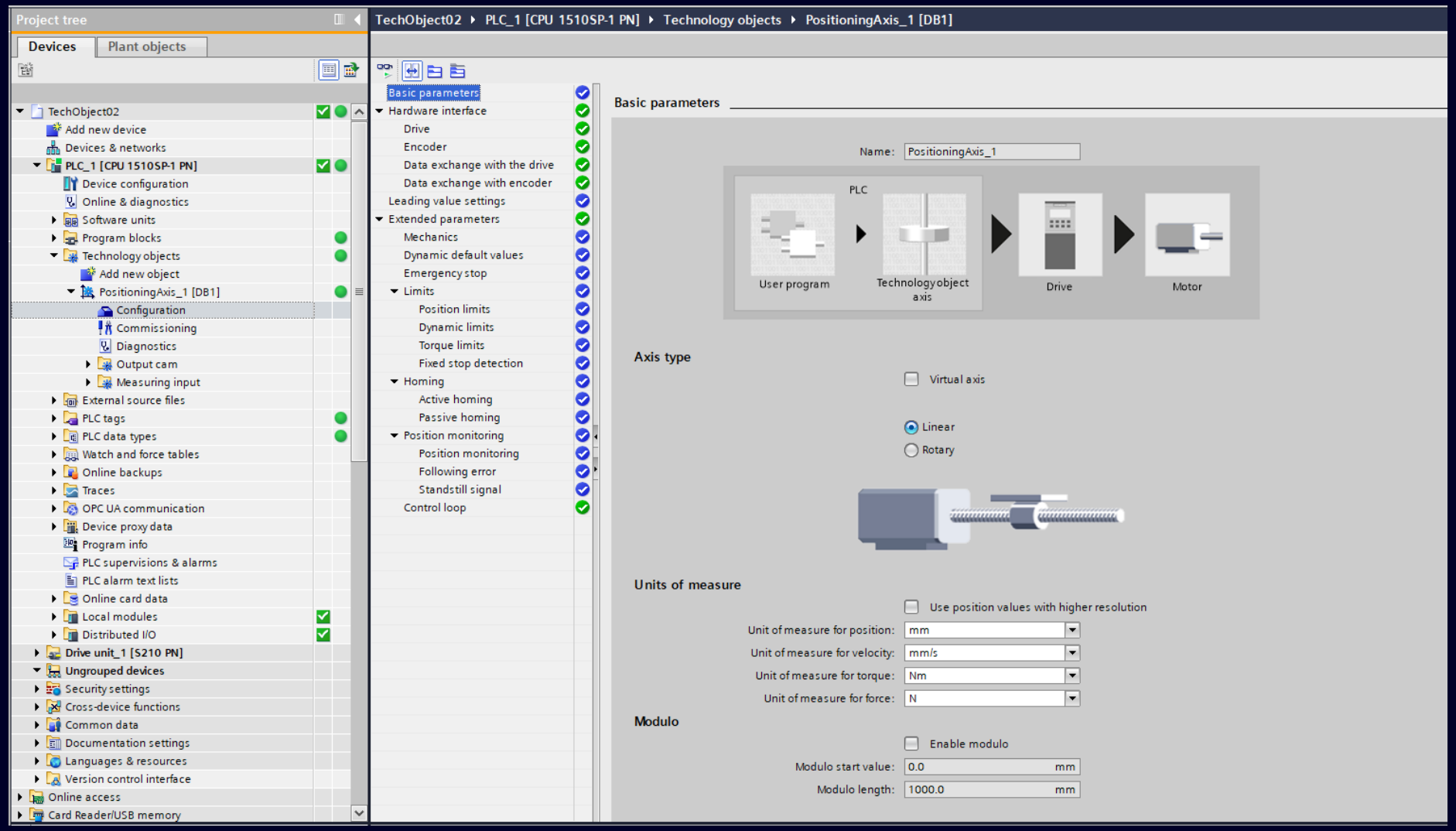
Technology Objects - Configuration



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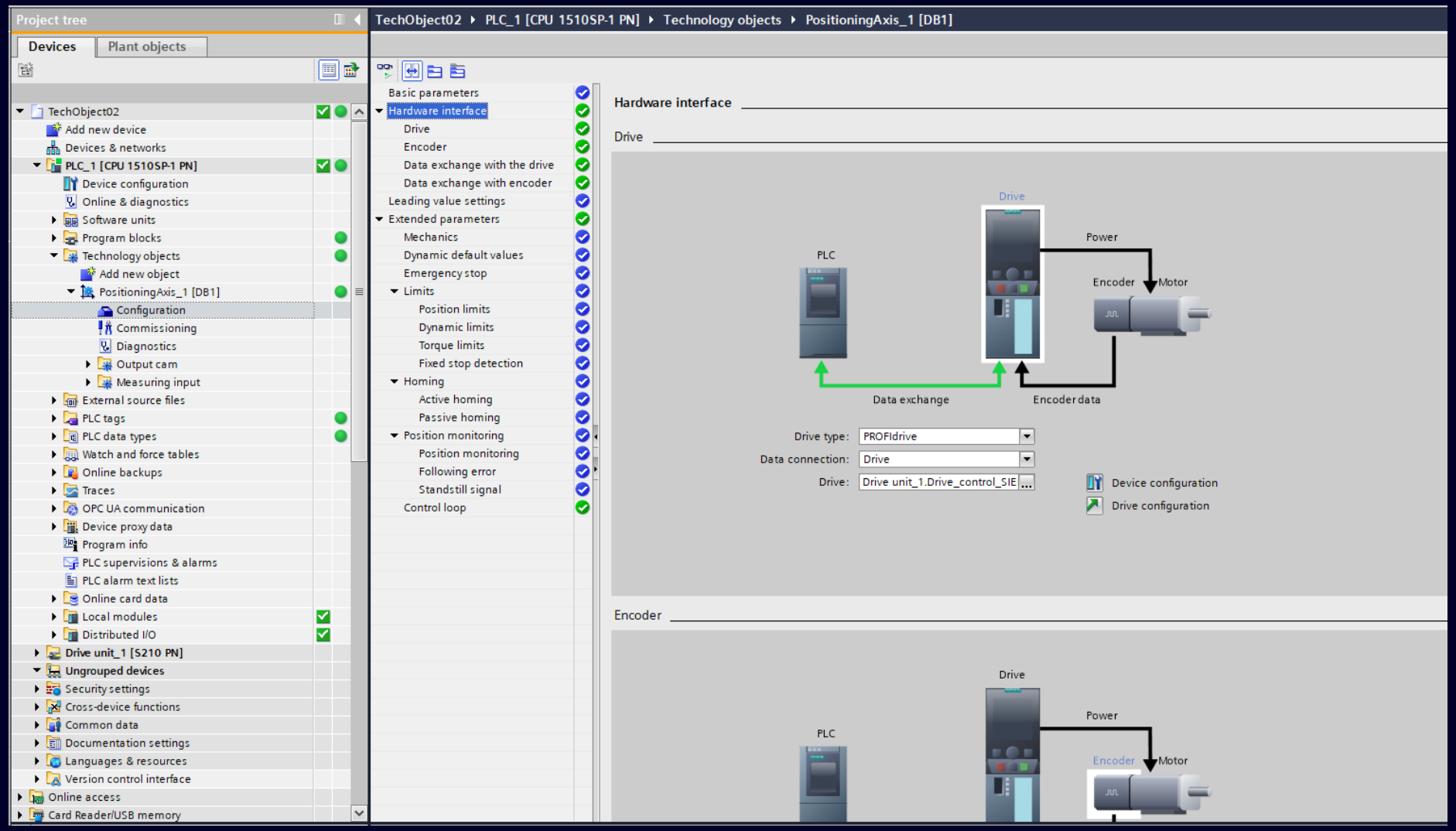
Technology Objects - Configuration



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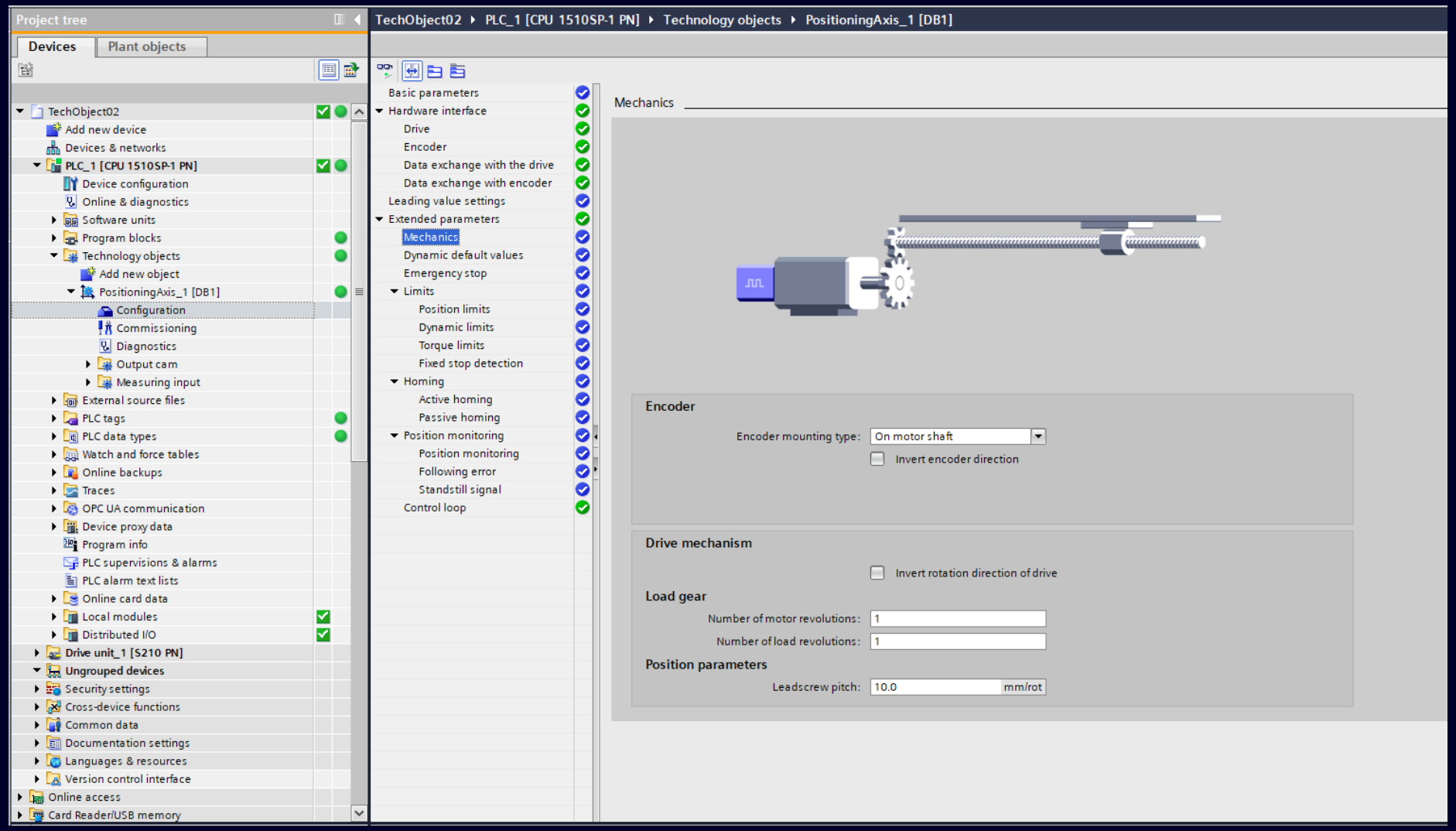
Technology Objects - Configuration



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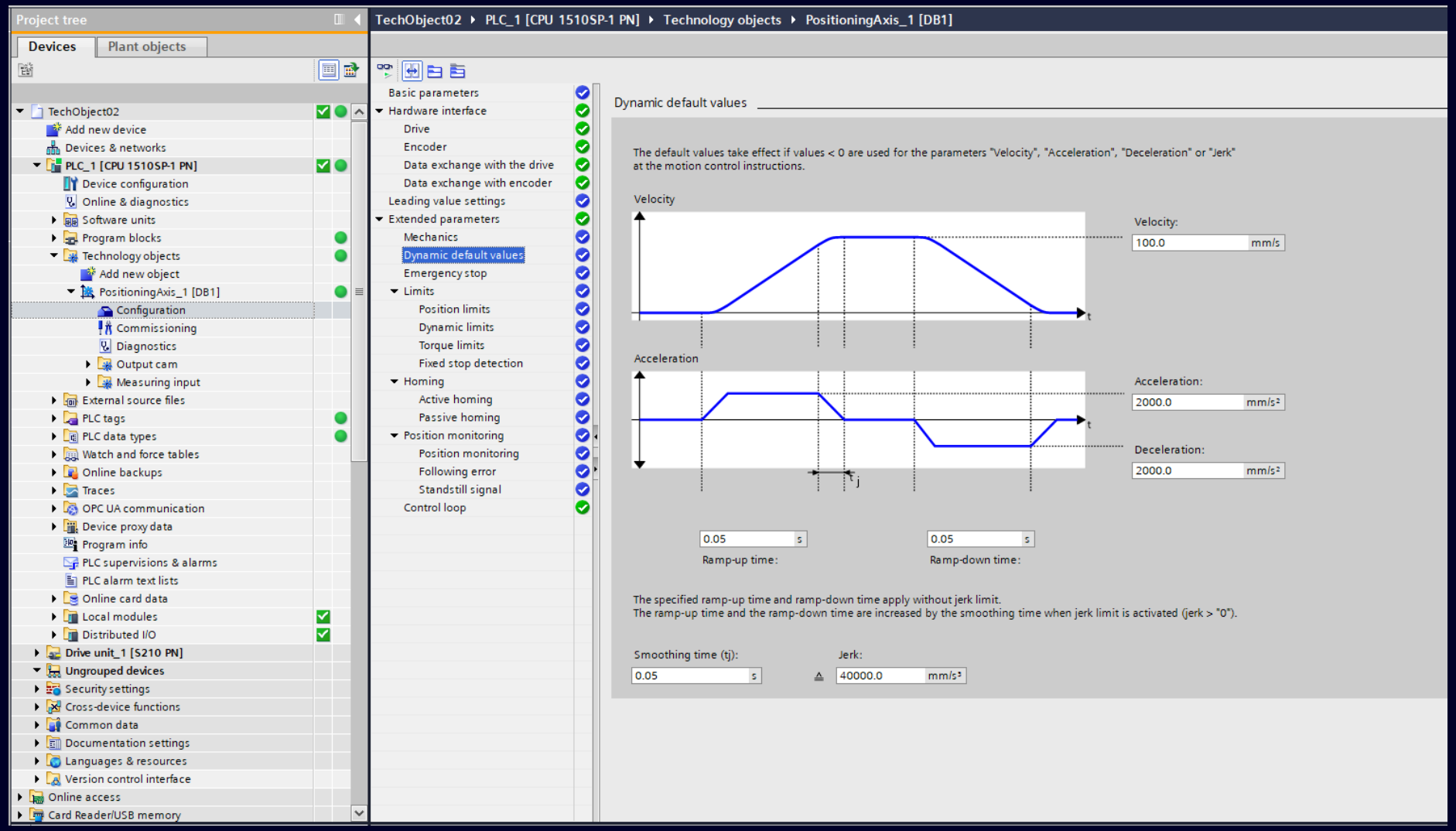
Technology Objects - Configuration



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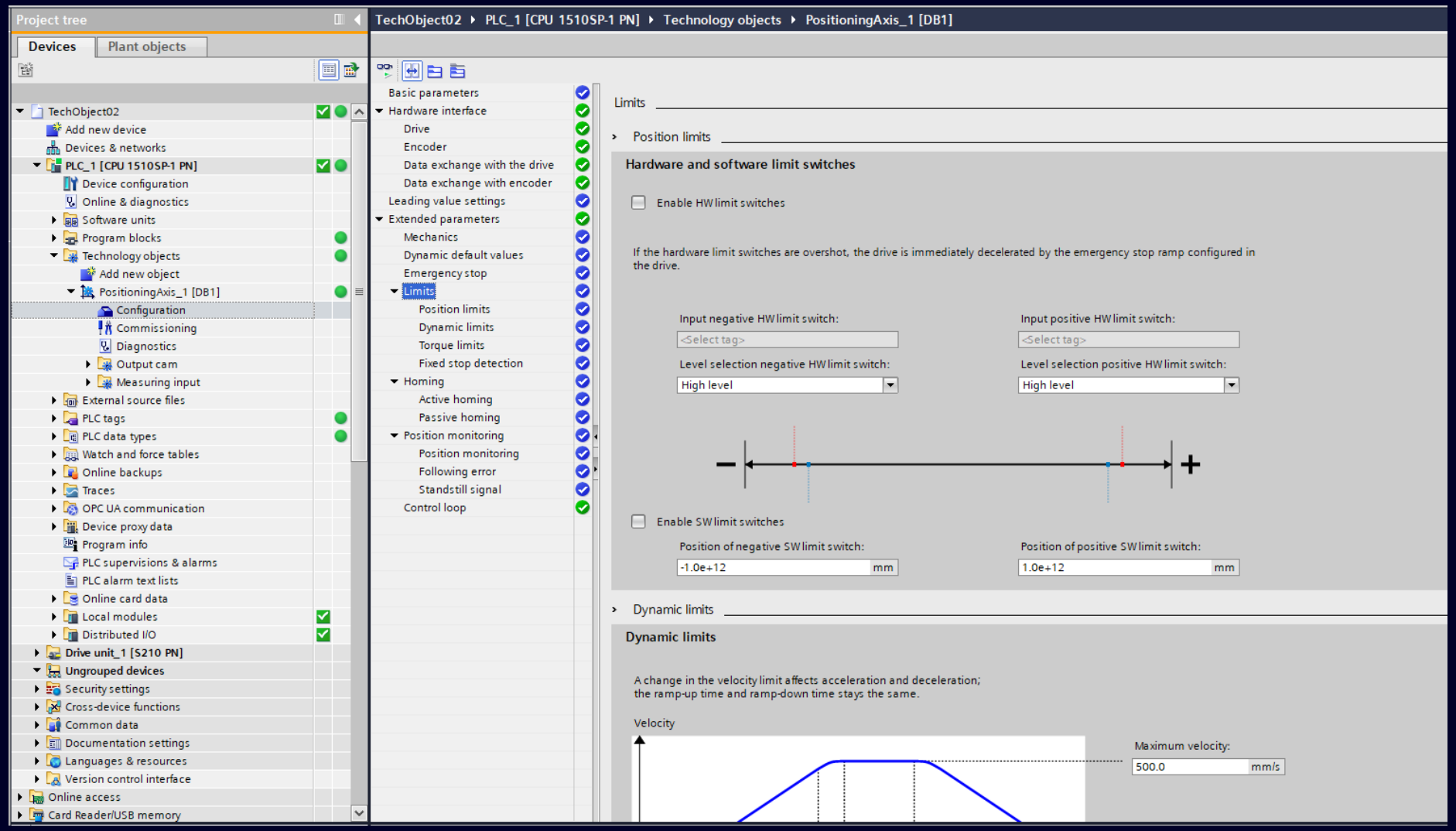
Technology Objects - Configuration



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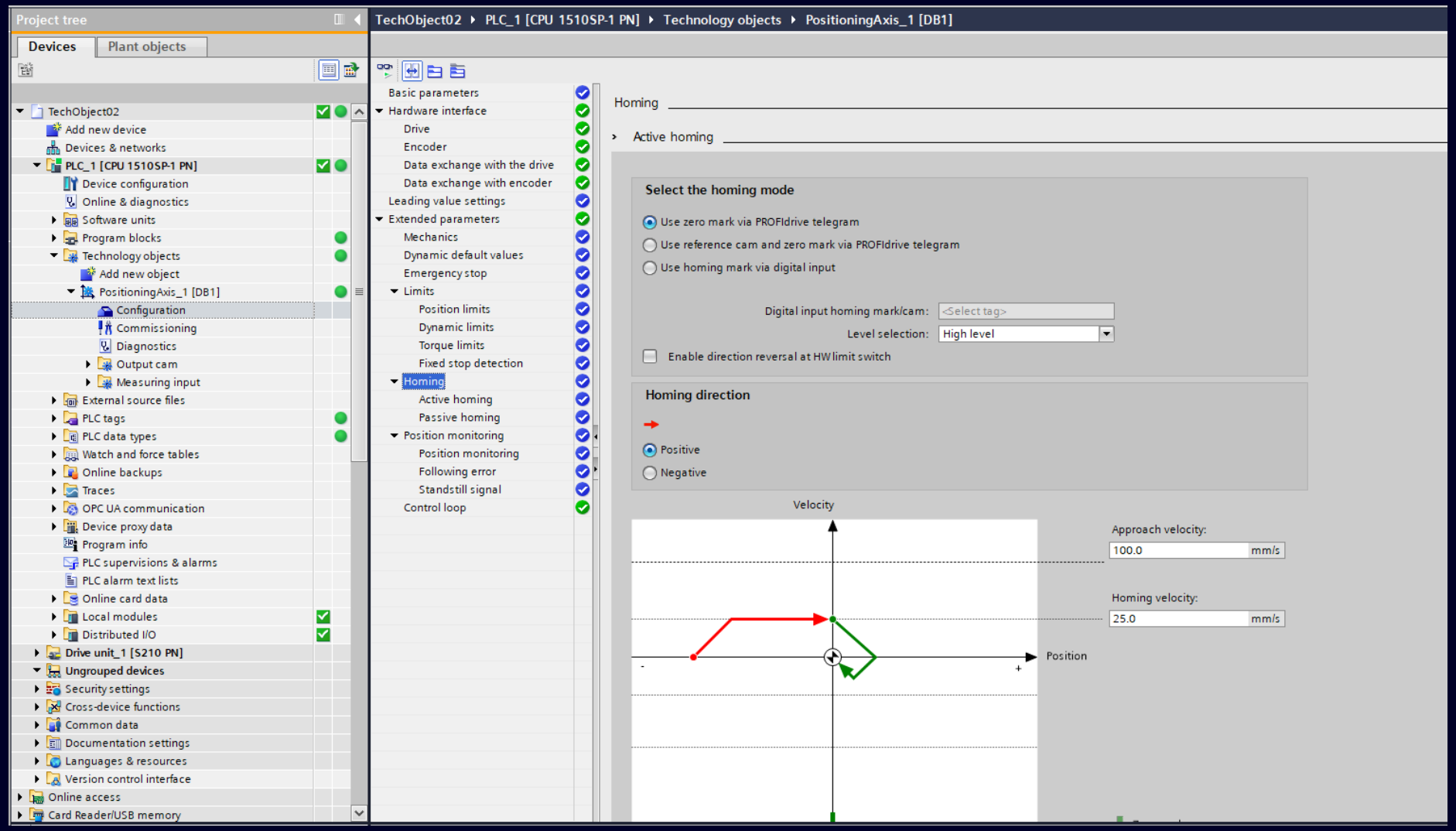
Technology Objects - Configuration



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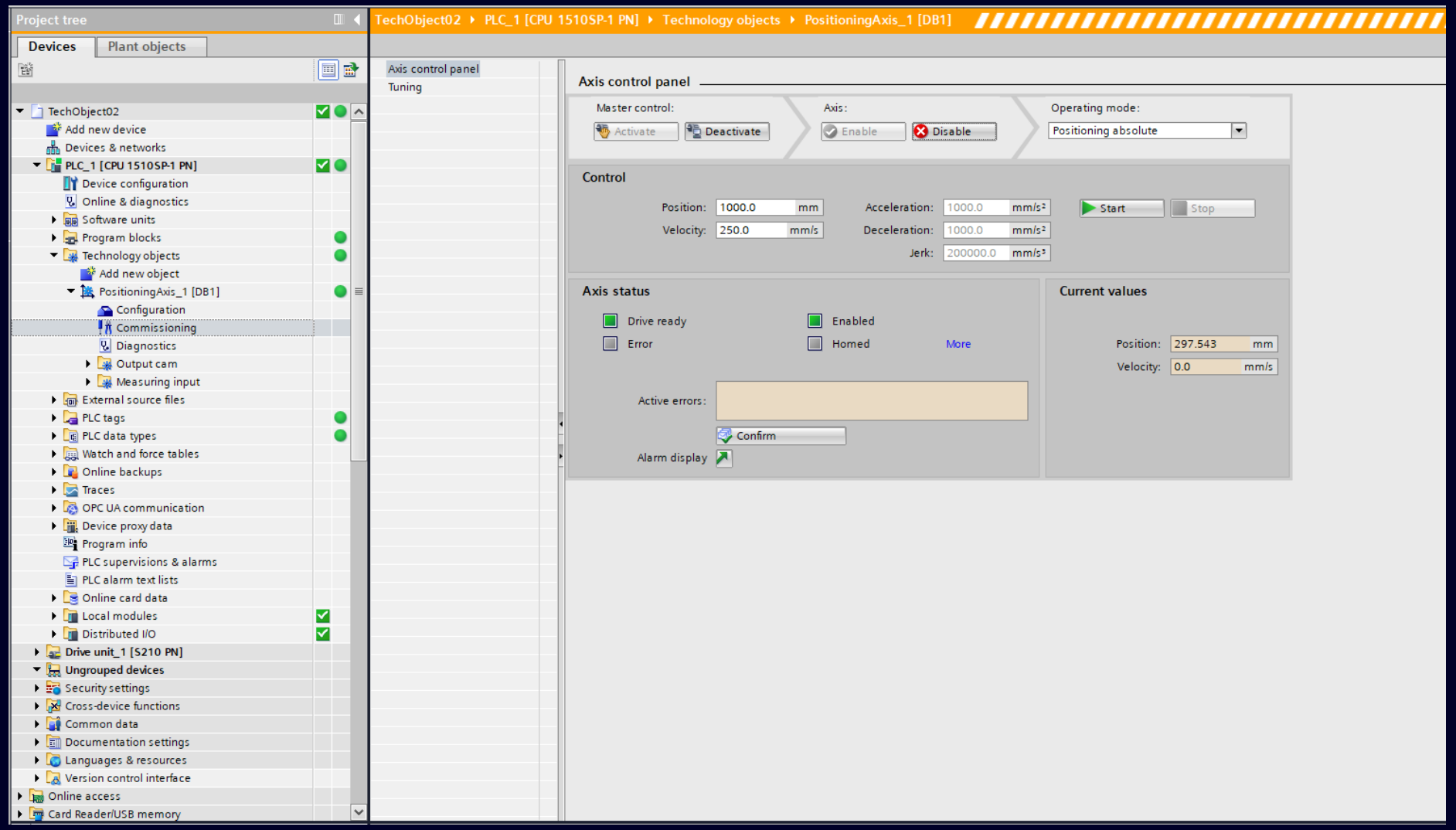
Technology Objects - Commissioning



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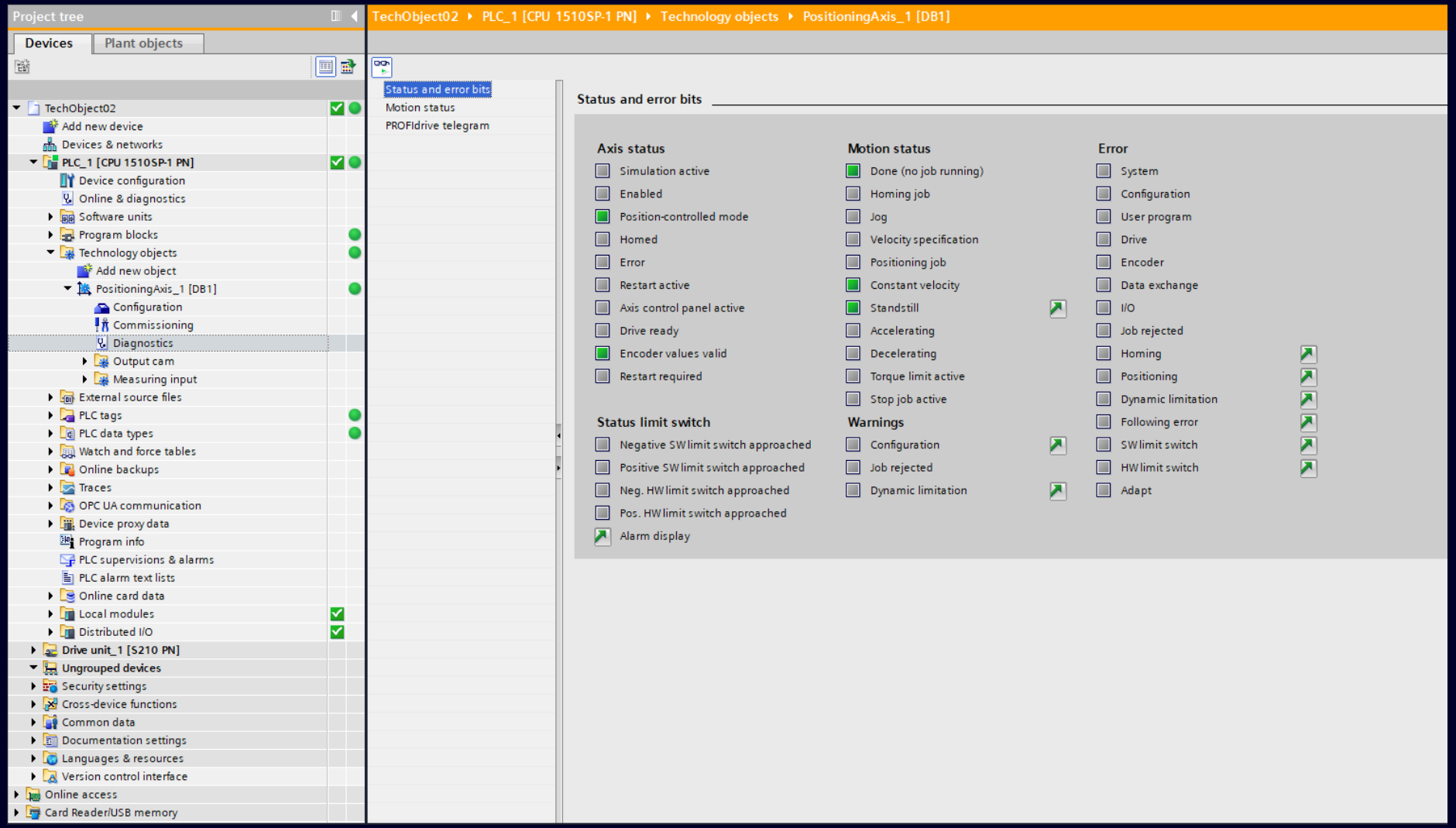
Technology Objects - Diagnostics



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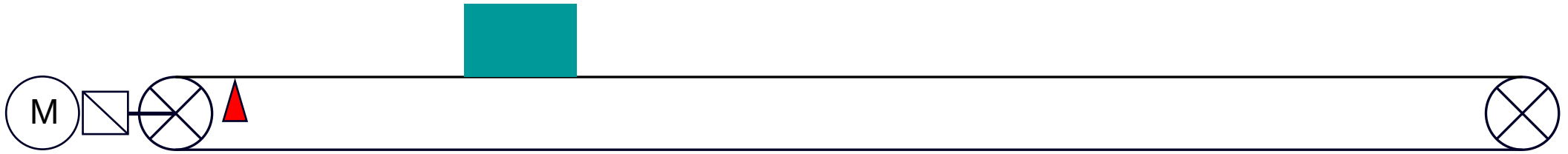
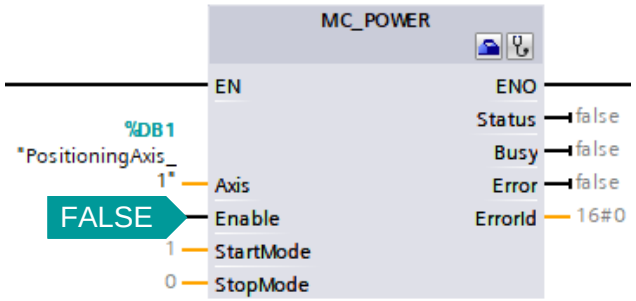
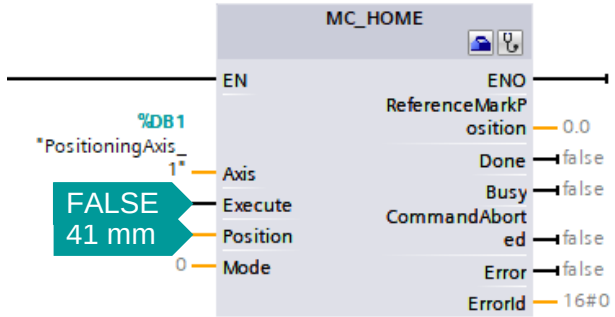
TO Positioning + MC Home

- Home position unknown







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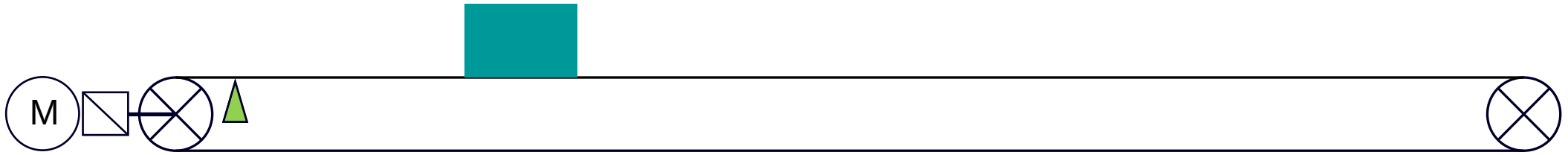
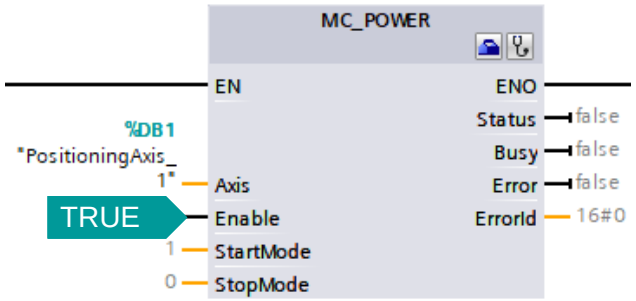
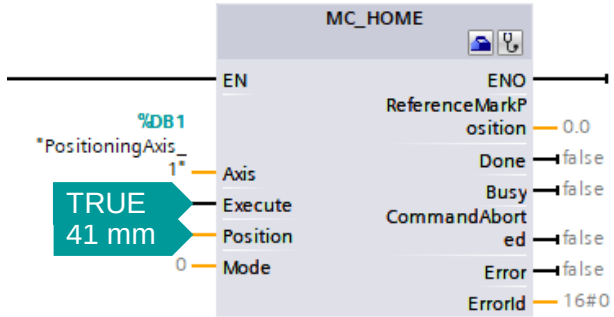
TO Positioning + MC Home

Home position known







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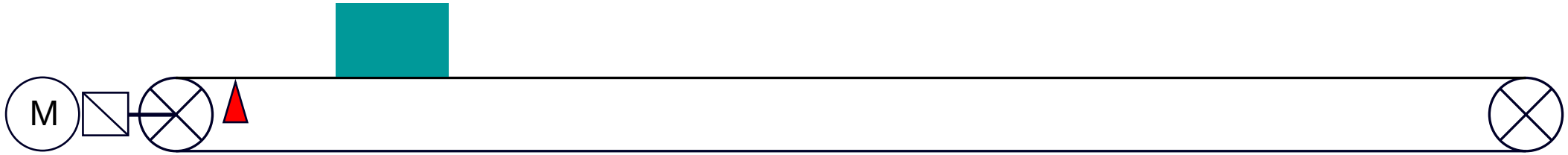
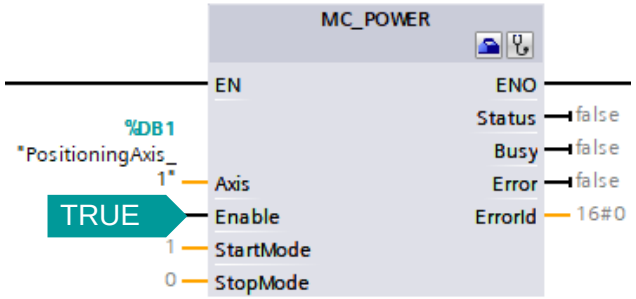
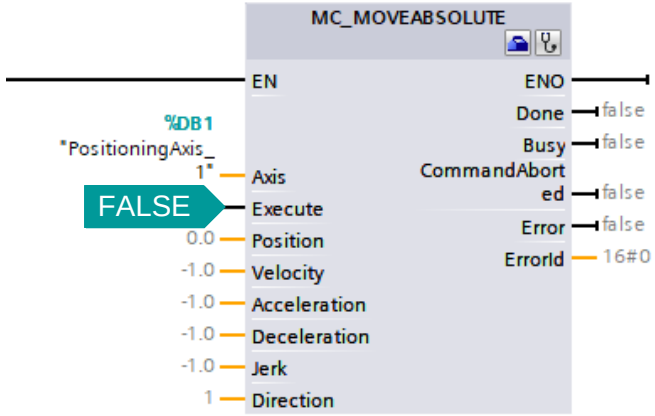
TO Positioning + MC Move Absolute

Home position known







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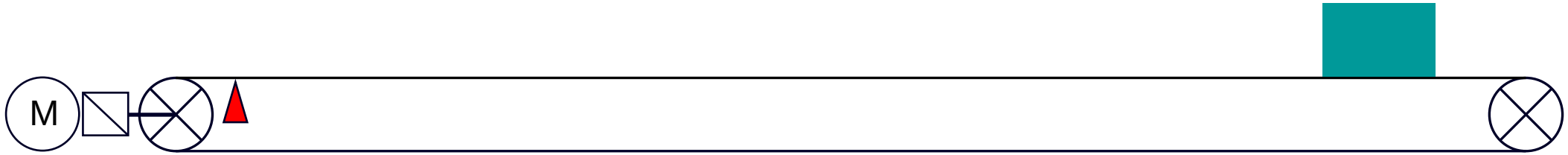
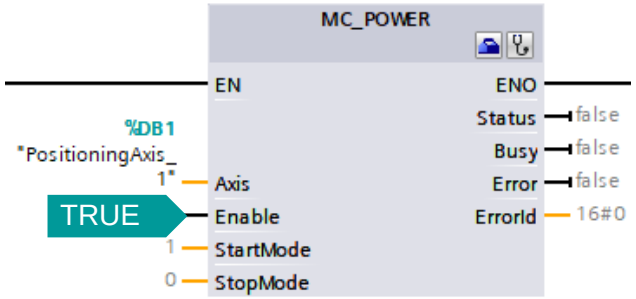
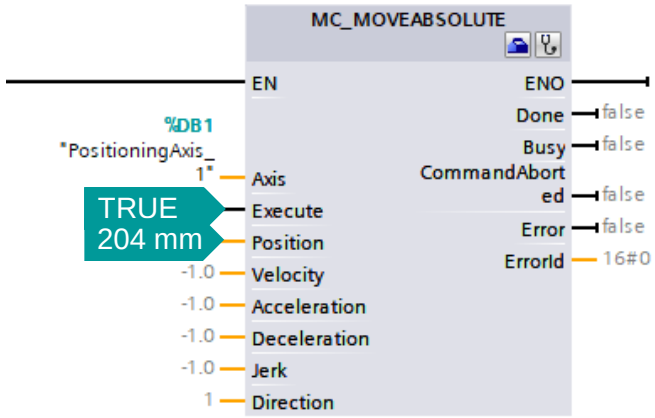
TO Positioning + MC Move Absolute

- Home position known







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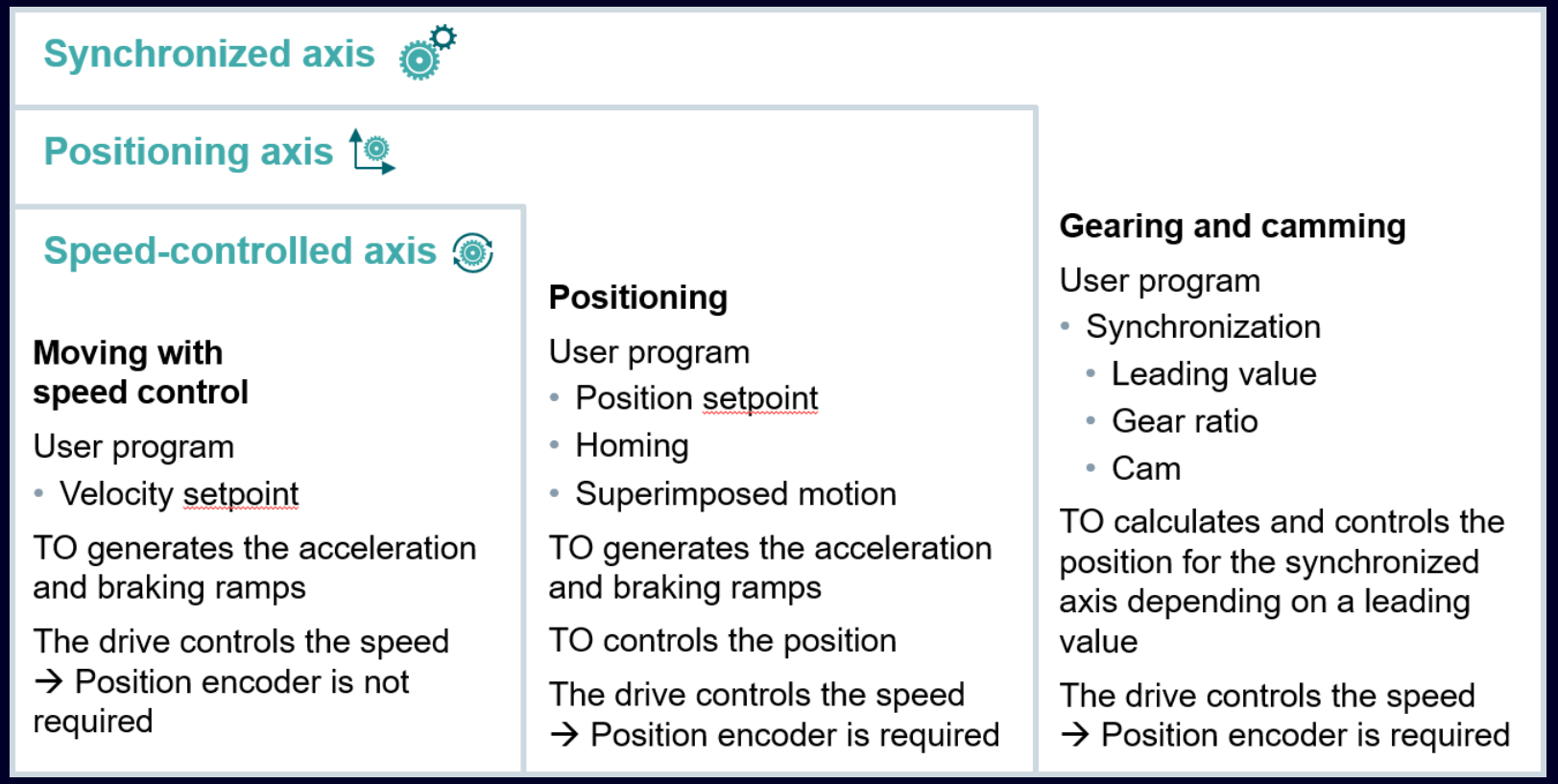
SIMATIC S7-1500- Technology Object types



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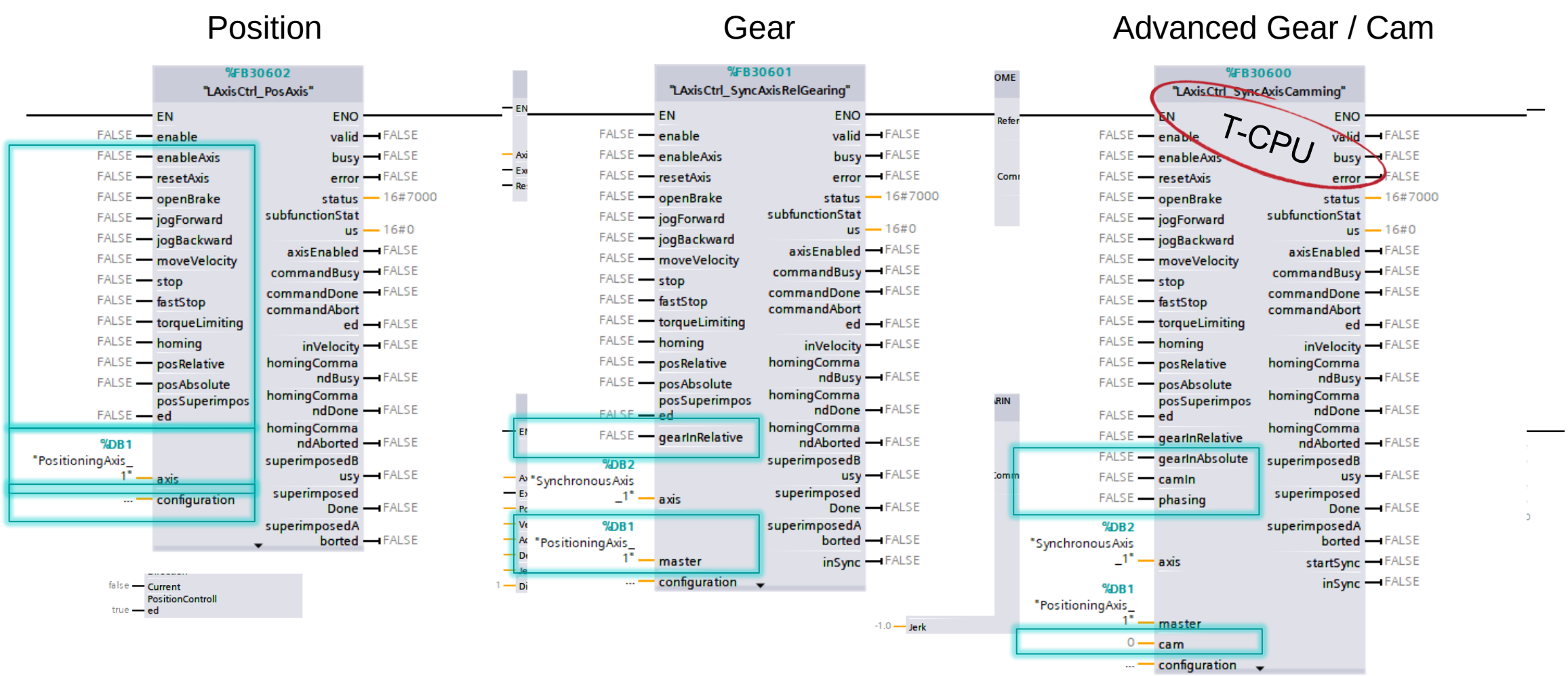
PLC open with LAxisCtrl



Transforming ”The best code in the world” to Standardized and reusable code

1010011001

10011

32788

001

65536

1001101

346/543

001

01110

16384

FF0F

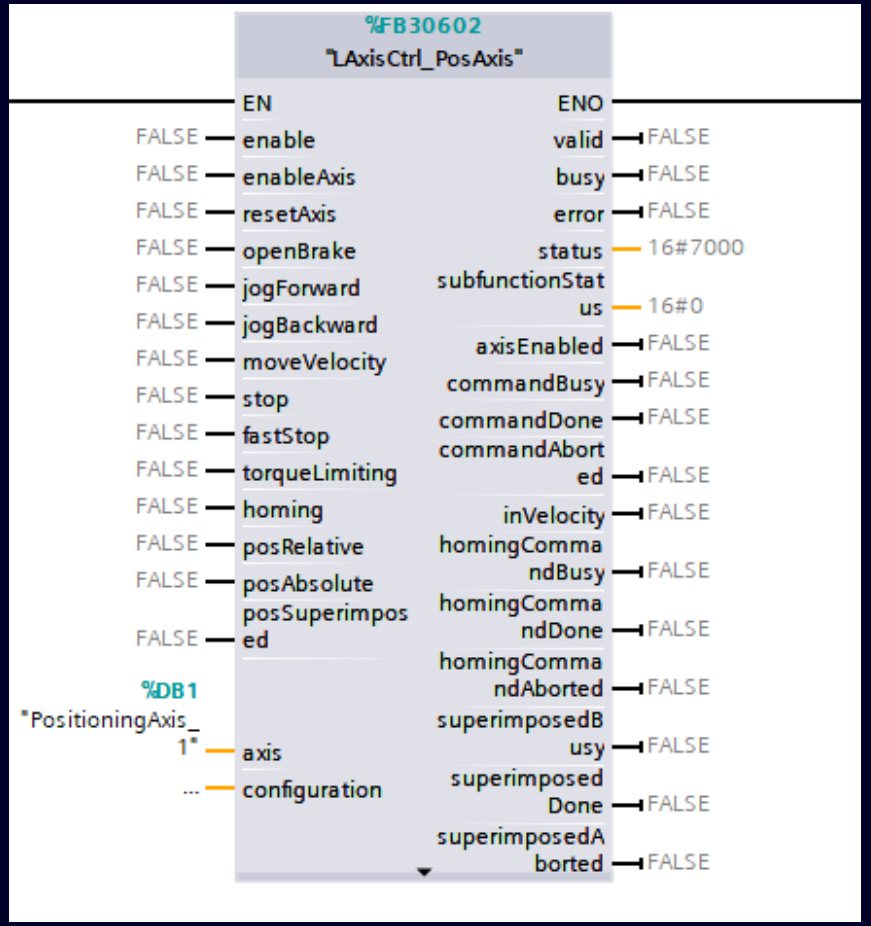
65536

F0FF

0010101

1

01110101



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LAxisCtrl...

- Performing an angular synchronizem at the right position...
- Without using a T-CPU but handled by a 1510 CPU
- Function testing by using Trace
- Additional features of the Trace functionality

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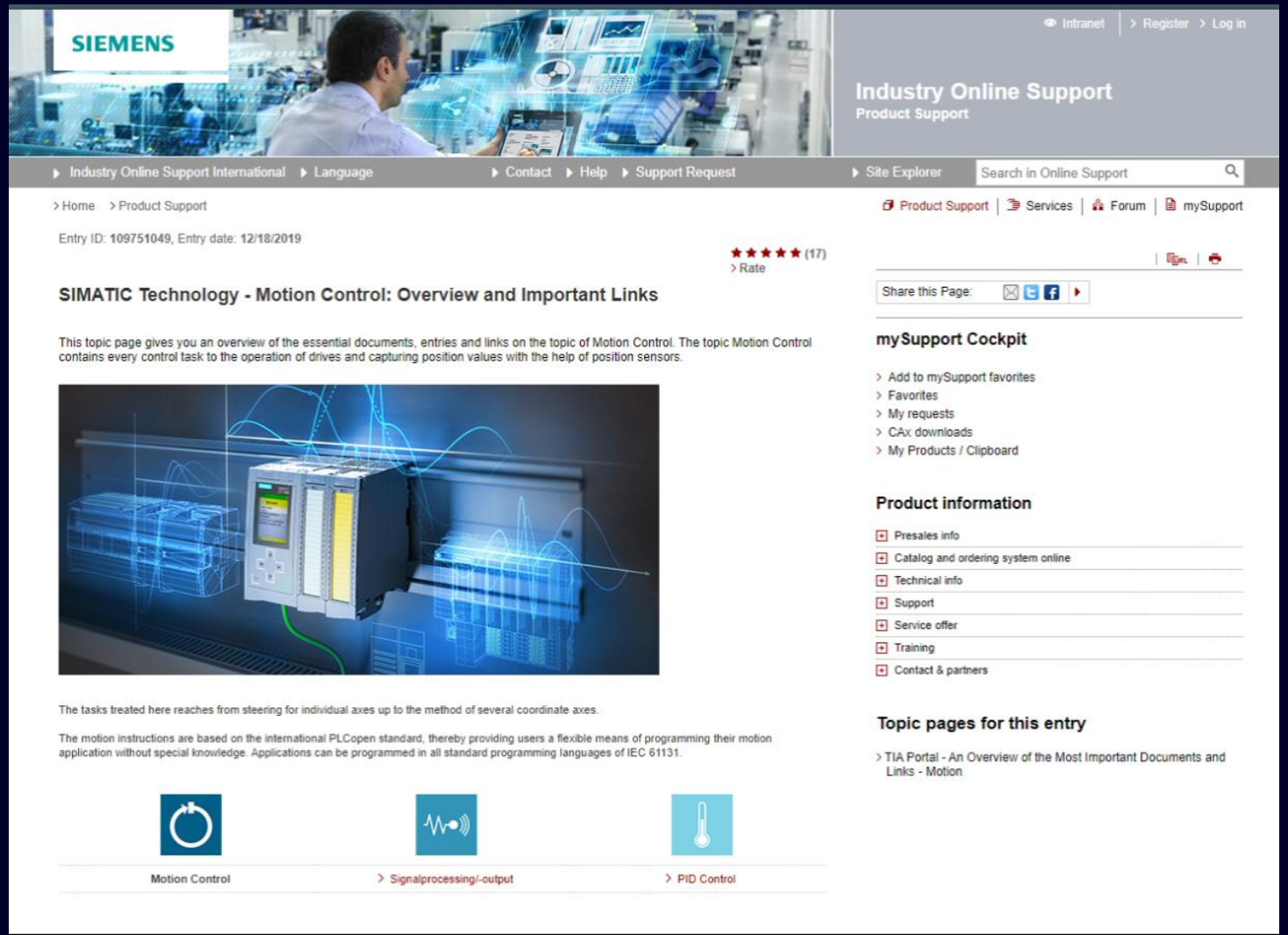
SIOS: Motion Control overview and links



Link for:

- **Manuals**
- **FAQ**
- **Application examples**
- **Firmware**

SIOS: 109751049

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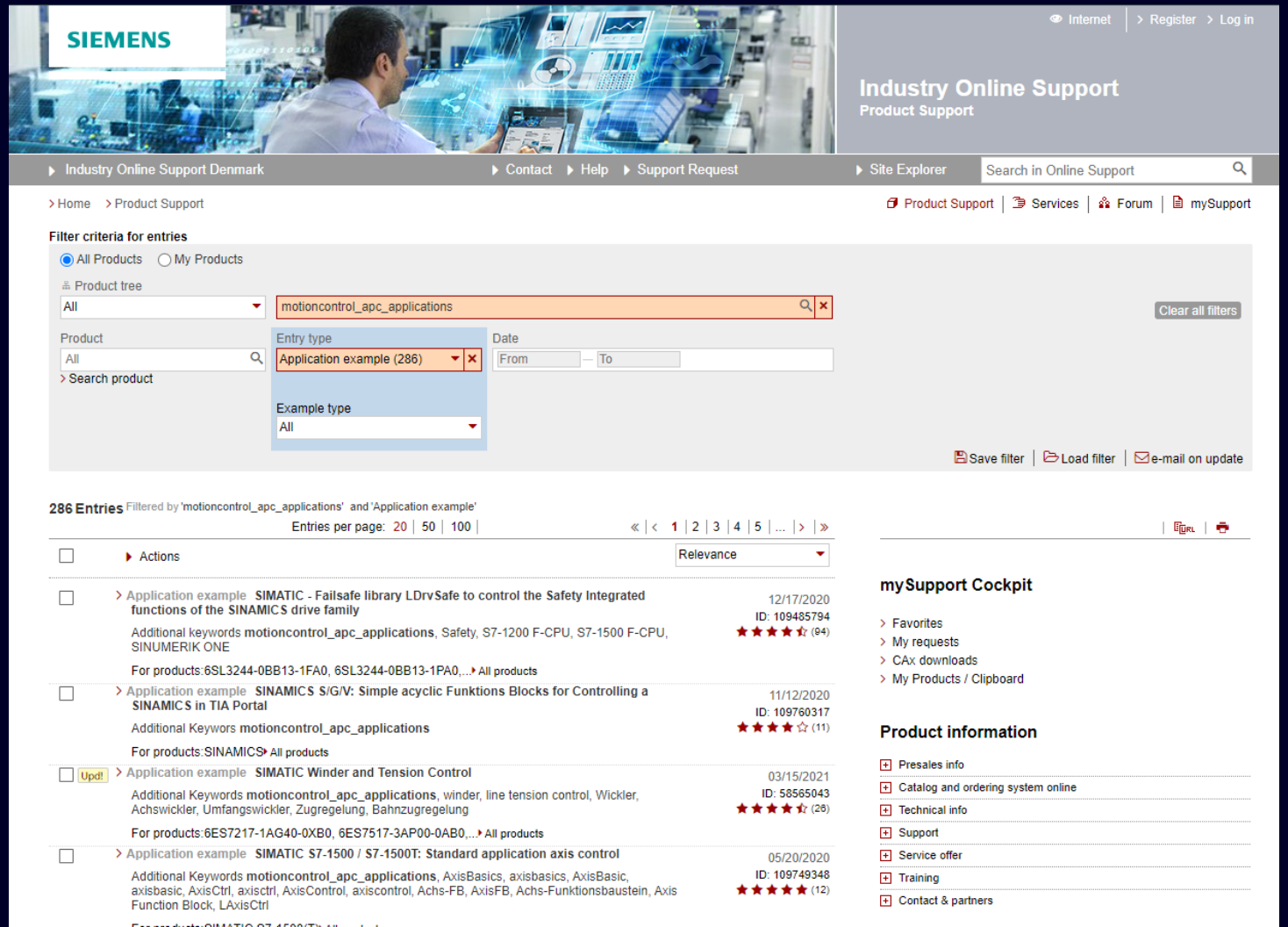
Applications examples in SIOS



[SIOS – Product Support – Application example]

Keyword: motioncontrol_apc_applications

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Kontakt

Jakob Nordtorp
jakob.nordtorp@siemens.com

Simon Sonne
simon.sonne@siemens.com

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