



# Highlights i TIA-portalen V16

# Vi er...

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# Agenda

- TIA Portal V16
- Minor improvements/features
- New functions
- Q&A
- Næste webinar



# Project upgrade to V16

TIA Portal V13 SP1 

TIA Portal V16 

From  
V13 SP1  
project



Project upgrade to V16



V16  
project

 S7-1200  
FW V4.4

 S7-1500  
FW V2.8

# Minor improvements & features



**File Delete instruction**

**Autostart project/editors**

**PLCSIM – Cycle Control**

**Compare with Libraries**

**Project trace**

**Open project – No more Retrieve**

**/\*SCL multilingual comments\*/**

**Project server**

# New functions

- **Style guide checker**
- **Application test**
- **C2C communication**
- **Add-Ins**
- **OPC UA news**
- **Version Control Interface**
- **Webserver diagnosis**

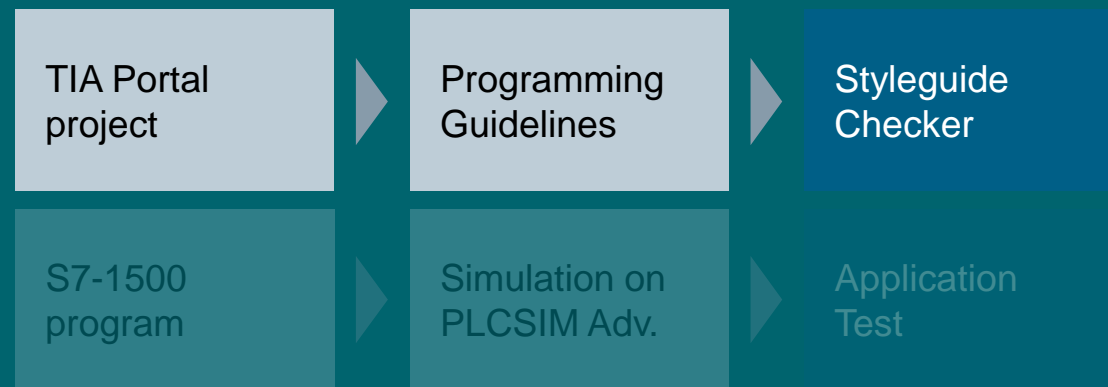


# Test suite – Styleguide checker

- Defining programming rules and checking projects for observance of these rules

TIA Portal Test Suite V16

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# New functions

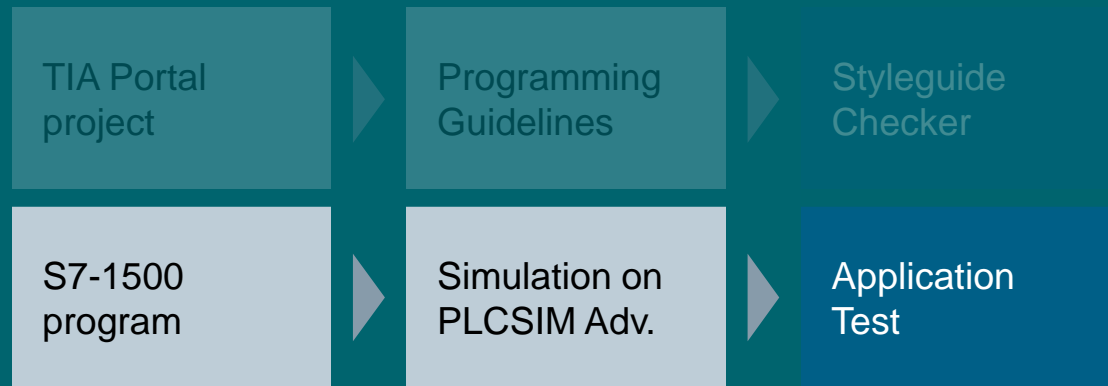
- Style guide checker
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# Test Suite – Application test

## TIA Portal Test Suite V16

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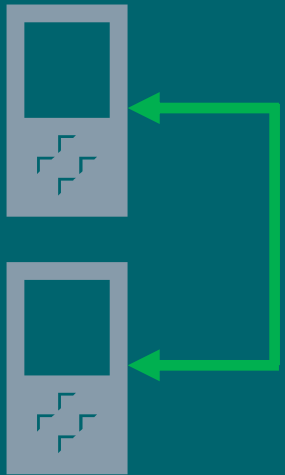
- **Functional testing inside TIA Portal**
- **Configure input and expected output**
- **Test is run with PLCSIM Advanced**

# New functions

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# Direct data exchange



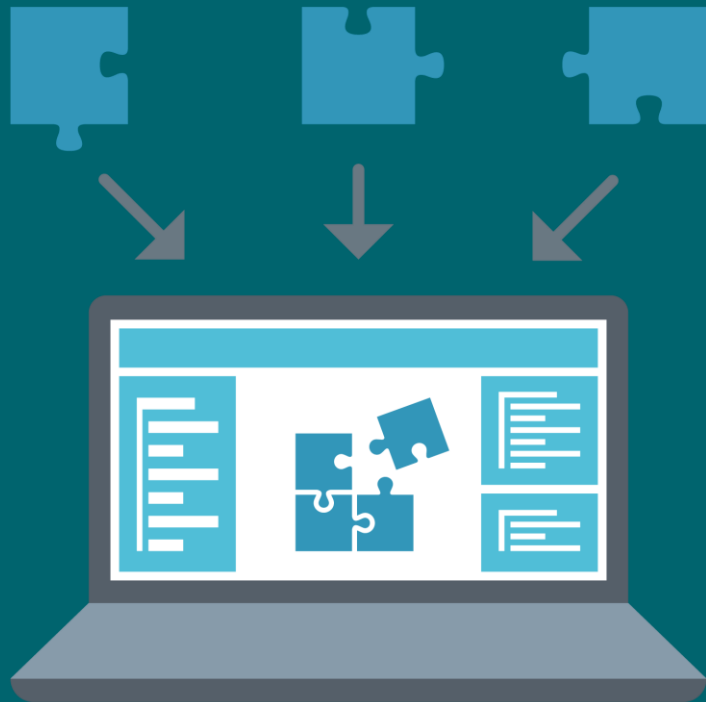
- **Direct data exchange between controllers**
- **Based on Profinet IRT and clock synchronicity**
- **Exchange of I/O data to one or more S7-1500 CPUs**
- **I-Device functionality remains freely available**
- **Support MRPD for existing MRP project configuration**

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- C2C communication
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- Webserver diagnosis/API



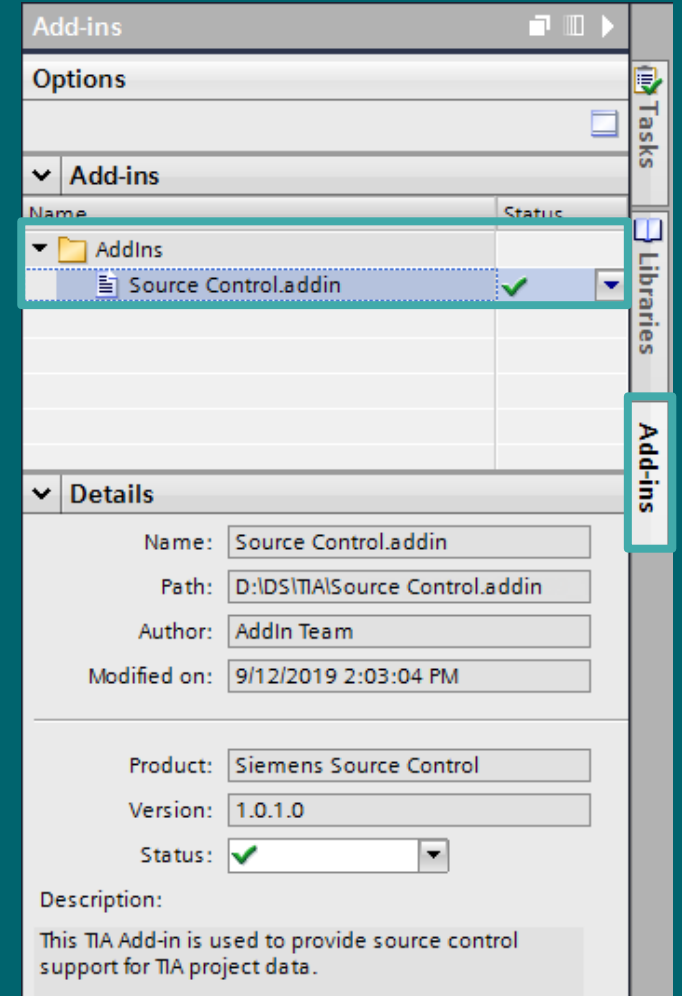
# Openness - What is it?



- **Open API for TIA Portal**
- **Accessed with .NET**
- **Import/export of XML/AML**
- **System control**
- **Device control**
- **Library control**

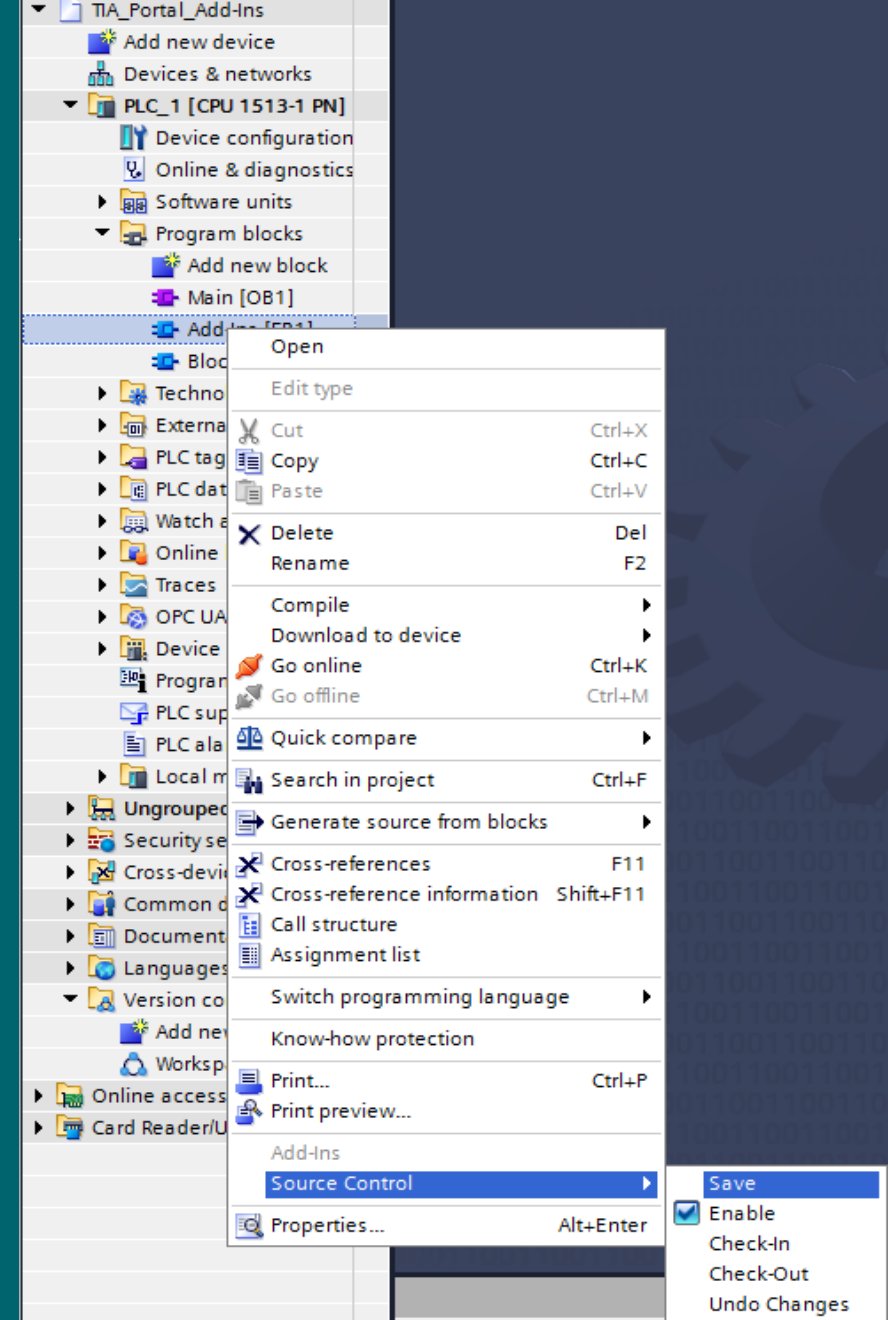
# Add-Ins

- Make customized functions in TIA Portal
- Using Openness API
- Programmed in .NET
- Fully integrated in TIA Portal



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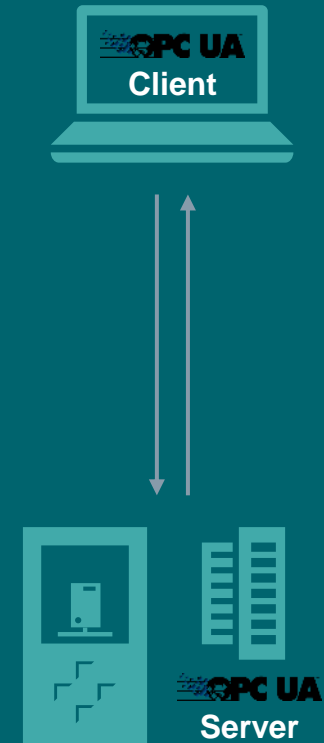
# New functions

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# OPC UA News

- **Server restart only for OPC UA-relevant changes**
- **OPC UA server S7-1500 diagnostic in TIA Portal**
- **OPC UA server in S7-1200 as of FW 4.4**
- **Configured server interfaces in TIA Portal**



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# Version Control Interface

For external version management



- **Export/import of program objects**
  - **Blocks**
  - **Tag tables**
  - **UDTs**
- **Version control with various vendors**
- **Add-In using Openness**



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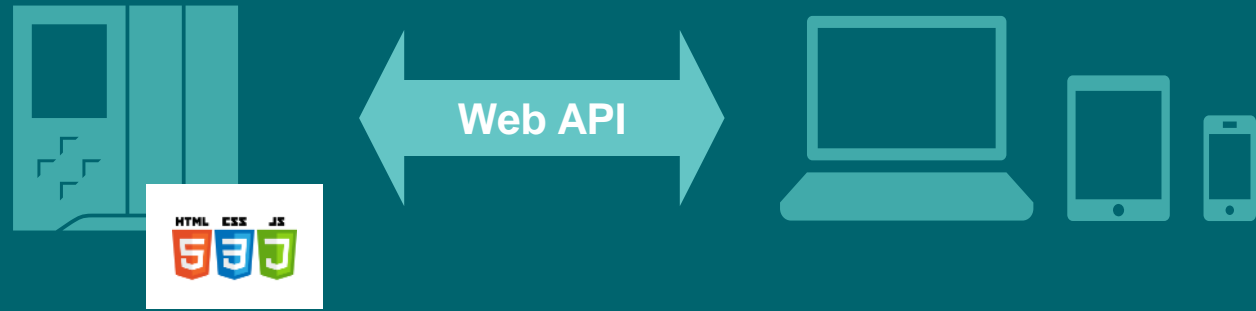
# Diagnostic with controller Web-interface



- **Module information**
- **Diagnostic Buffer**
- **Topology**
- **Runtime information**

# Web API

& user defined web pages



# Kontakt os

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Gense webinar og download relevant materiale på [www.siemens.dk/di-webinarer](http://www.siemens.dk/di-webinarer)





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# Industry Information Demo

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## NYHED

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tips og tricks målrettet  
den danske industri

Find hurtigt playlisten og abonner via  
[www.siemens.dk/di-demo](http://www.siemens.dk/di-demo)





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