



Industry Information Live

Idriftsættelse fra sofaen

Værter Morten Kromann og Søren Jakobsen

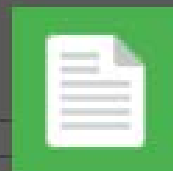
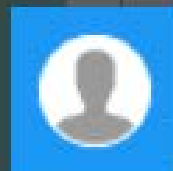
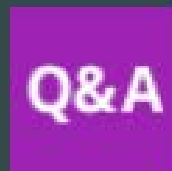
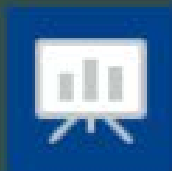
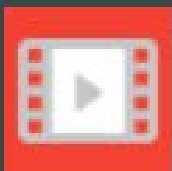
Siemens Digital Industrien

Slides

Værter

Inviter en ven

Links



Dem der
præsenterer

Spørgsmål

Referencer

Evaluering

Hjælp

Præsentation



Slides

Agenda

Webinar „idriftsættelse fra sofaen“

- Hvorfor idriftsættelse fra sofaen?
- Tilgår udstyret på en sikker måde
- Hvad med IP Adresse og Device navn
- Controller, HMI, Drives, IO, Failsafe
- Hvad med Profibus?
- What else SINEC NMS - VC - TIA Cloud
- Q/A
- Whats Next?



April 2020

Industry Information Live – Idriftsættelse fra sofaen

Referencer

Værter



Mod
Techn
Sieme



Søren
Techn
Sieme



Morten
Techn
Sieme



Agenda

Webinar - Idriftsættelse fra sofaen

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Dagens værter



Morten Kromann - Technology Specialist



Søren Jakobsen - Technology Specialist

Moderator – Lars-Peter Hansen



Idriftsættelse fra sofaen

Webinar om hvordan du tilgår Siemens
automationsudstyr fra distancen

Hvorfor?

Flexibly – Efficiency - Security

- Covid-19
- Reducering af rejseomkostninger
- CO₂-aftryk
- Manpower optimering
- Reducere risici
- Arbejdsmiljø



Agenda

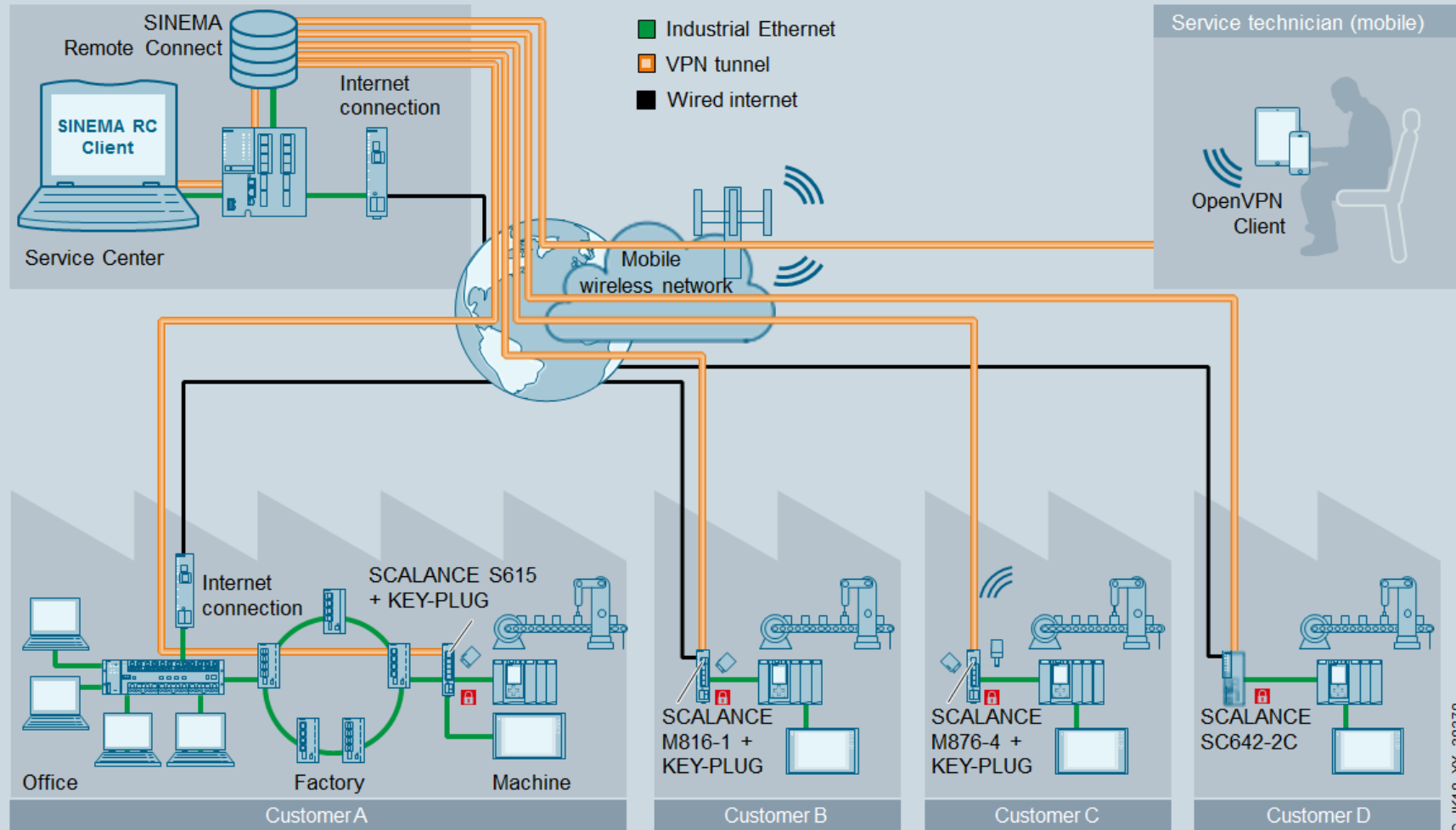
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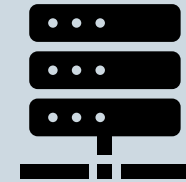
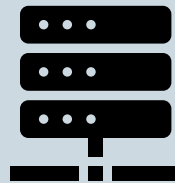
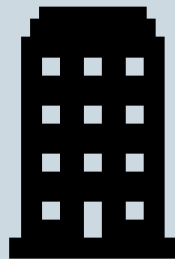
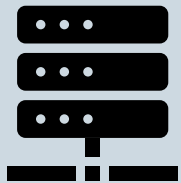
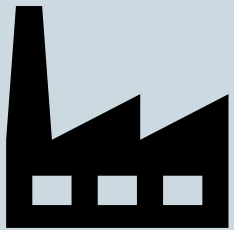
SINEMA Remote Connect

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Ingenuity for life



G_IK10_XX_30370

SINEMA Remote Connect



SINEMA Remote Connect



SIEMENS

SINEMA RC Client

SettingsEnglish?

SINEMA Remote Connect Account

SINEMA RC URL: sinemarc.webinc.dk:12000

VPN status: CONNECTED

Logged on as: mok

VPN address: 10.8.1.11

NAT Status: None

Establish VPN tunnel

Terminate VPN tunnel

Device list

Connect all

Name of the device	VPN address	Subnet name	Remote subnet	Virtual subnet	Node name	Node address	Node virtual address	Status					
AalborgCSP		subnet_70	192.168.20.0/24					offline			NO	YES	
BredSkifteAlle15	10.8.1.4	MDPDK MGMTKaelder DemoCases	10.96.1.0/24 10.96.0.0/24 192.168.35.0/24		Jumphost	10.96.1.2		online			NO	YES	
ConBox001	10.8.1.14							online			NO	YES	
ConBox002								offline			NO	YES	
ConBox003	10.8.1.17							online			NO	YES	
ConBox004								offline			NO	YES	
ConBox005	10.8.1.20							online			NO	YES	
ConBox006								offline			NO	YES	
ConBox007								offline			NO	YES	
ConBox008	10.8.1.31	ConBoxVlan2	192.168.0.0/24	10.250.8.0/24				online			NO	YES	NAT
ConBox009	10.8.1.32							online			NO	YES	
ConBox010								offline			NO	YES	

Show log files

Exit

SINEMA Remote Connect

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SINEMA Remote Connect Promotion

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☐



> 6GK1720-0AP01

Promotional package SINEMA RC 3G SINEMA Remote Connect Virtual Appliance; KEY-PLUG SINEMA RC SCALANCE M874-3 3G-Router Antenna ANT 896-4MA direct Antenna ANT 794-4MR, 5 m cable observe national approvals!

5.050,00 DKK
5.050,00 DKK

1



1 Stk.

► Prisoplysninger

► Lagerstatus oplysninger

☐



> 6GK1720-0AP02

Promotional package SINEMA RC LAN SINEMA Remote Connect Virtual Appliance; KEY-PLUG SINEMA RC SCALANCE S615 LAN router Can only be ordered 1x per customer!

4.180,00 DKK
4.180,00 DKK

1



1 Stk.

► Prisoplysninger

► Lagerstatus oplysninger

☐



> 6GK1720-0AP03

Promotional package SINEMA RC 4G-EU; SINEMA Remote Connect Virtual Appliance; Key-plug SINEMA RC SCALANCE M876-4 (EU) 4G router ANT 896-4MA antenna direct ANT 794-4MR antenna 5 m cable Observe national approvals. Can only be ordered once per customer.

6.360,00 DKK
6.360,00 DKK

1

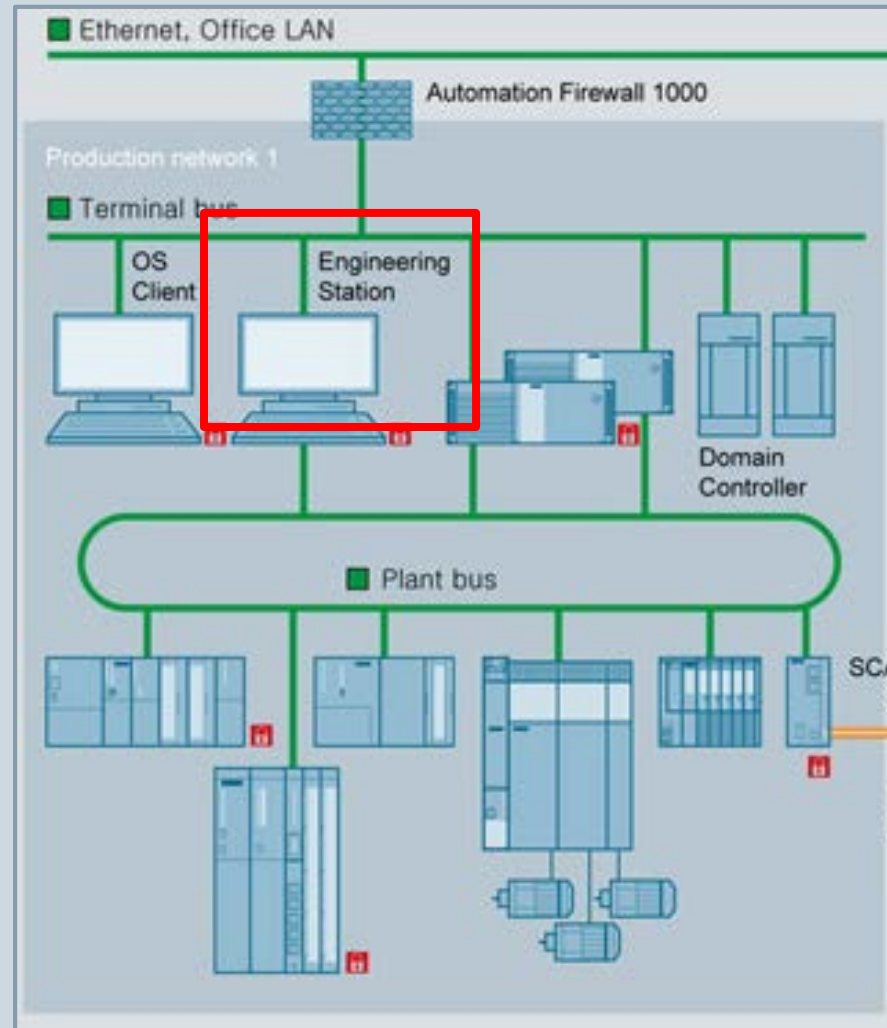


1 Stk.

► Prisoplysninger

► Lagerstatus oplysninger

Jump Station



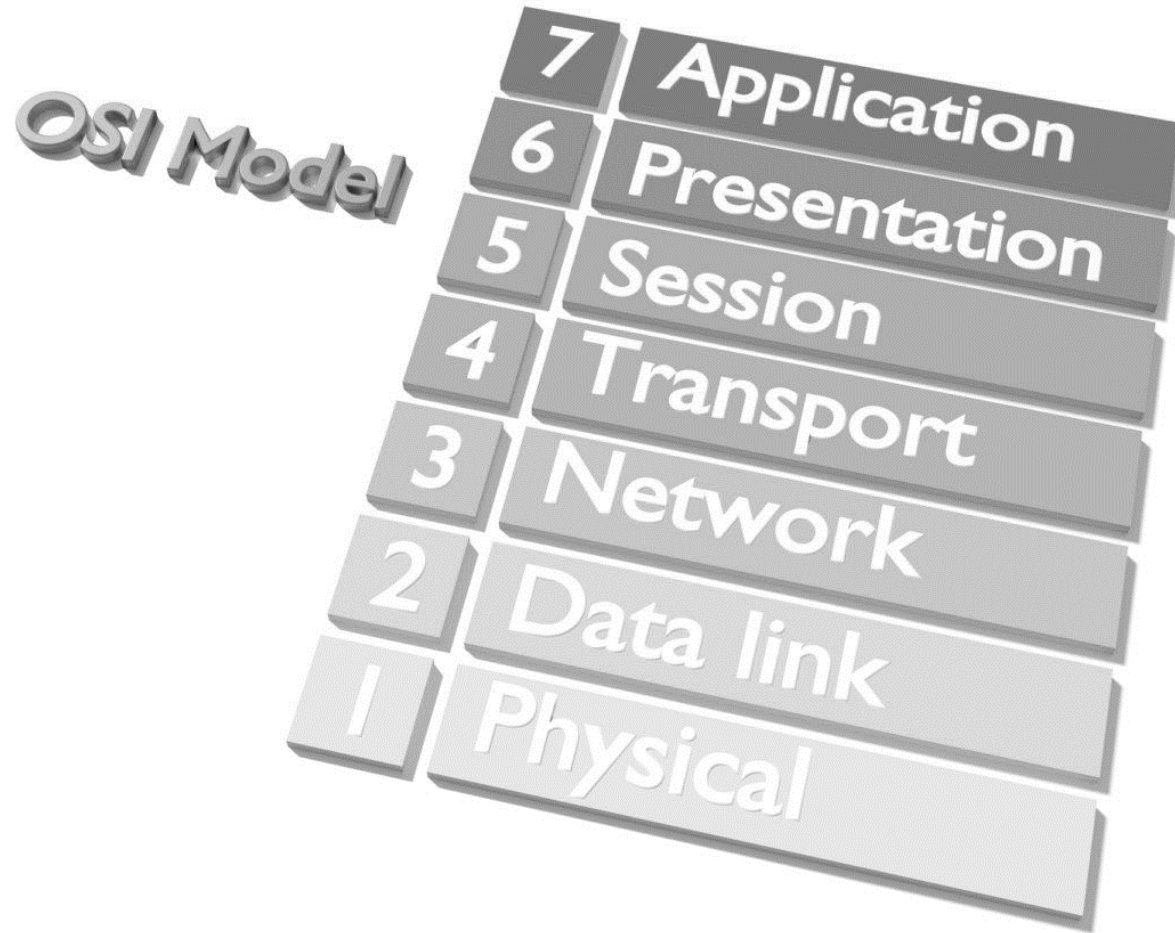
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- Q/A
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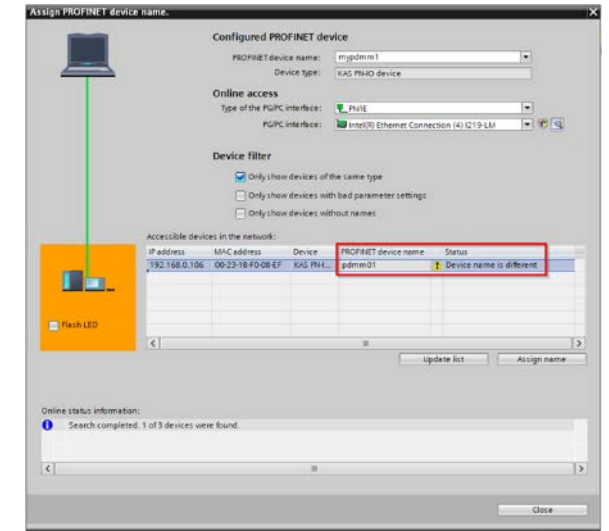
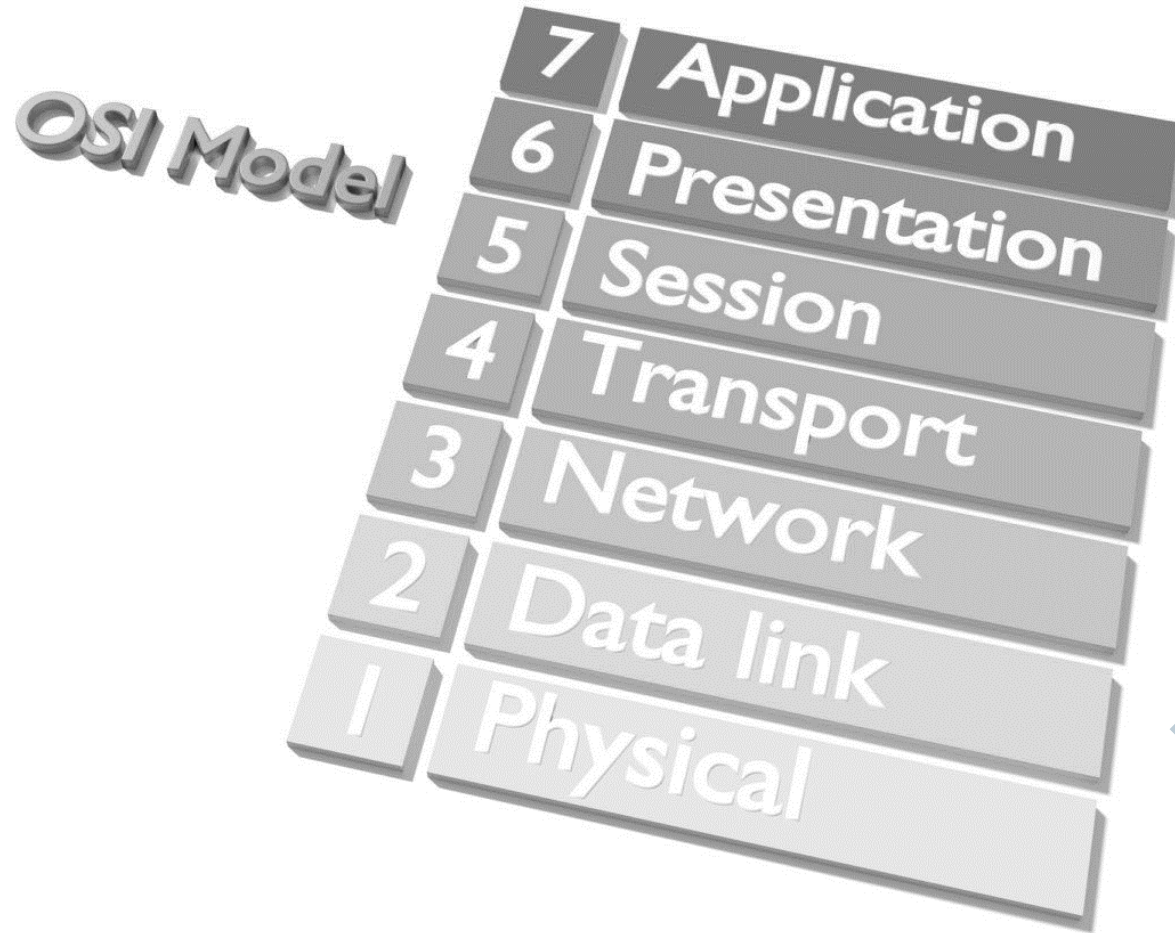


Device Name



Device Name

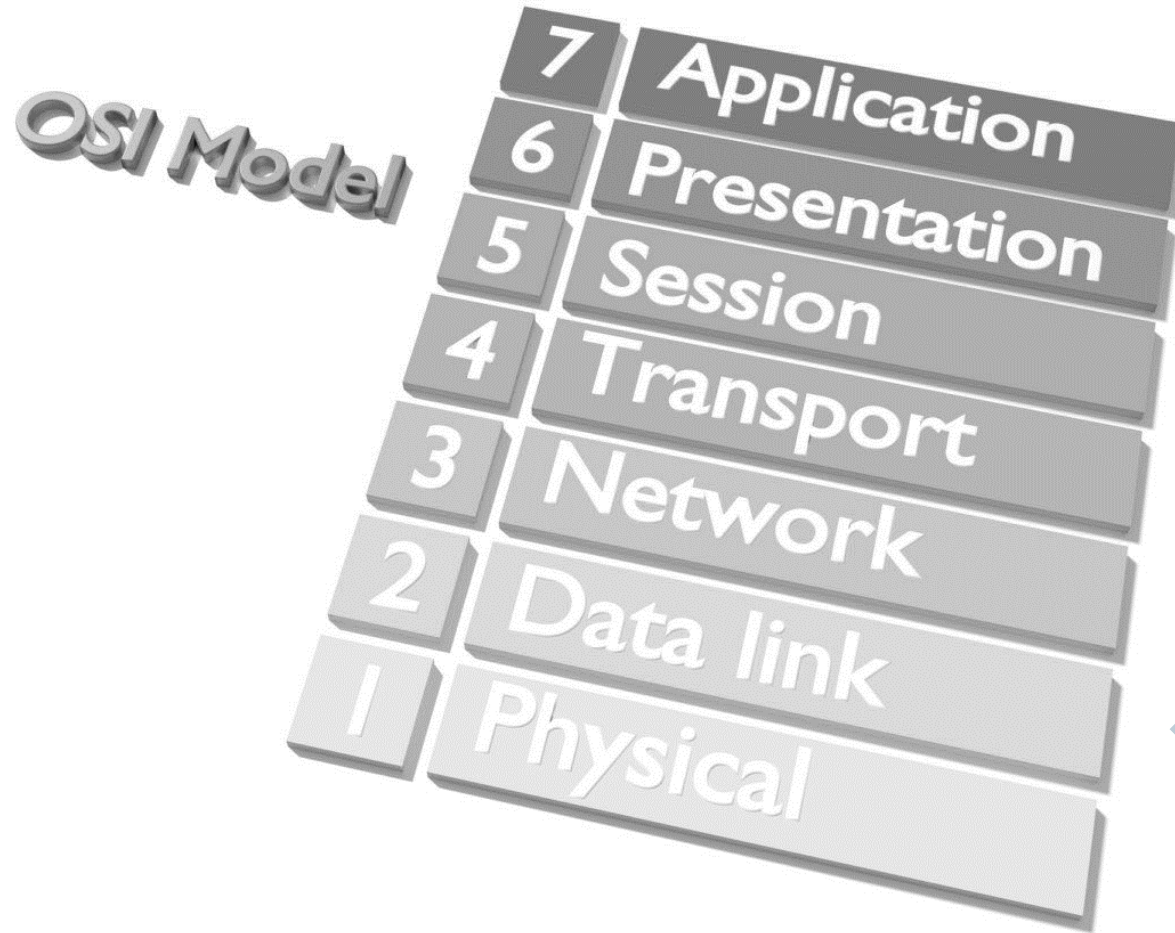
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DCP

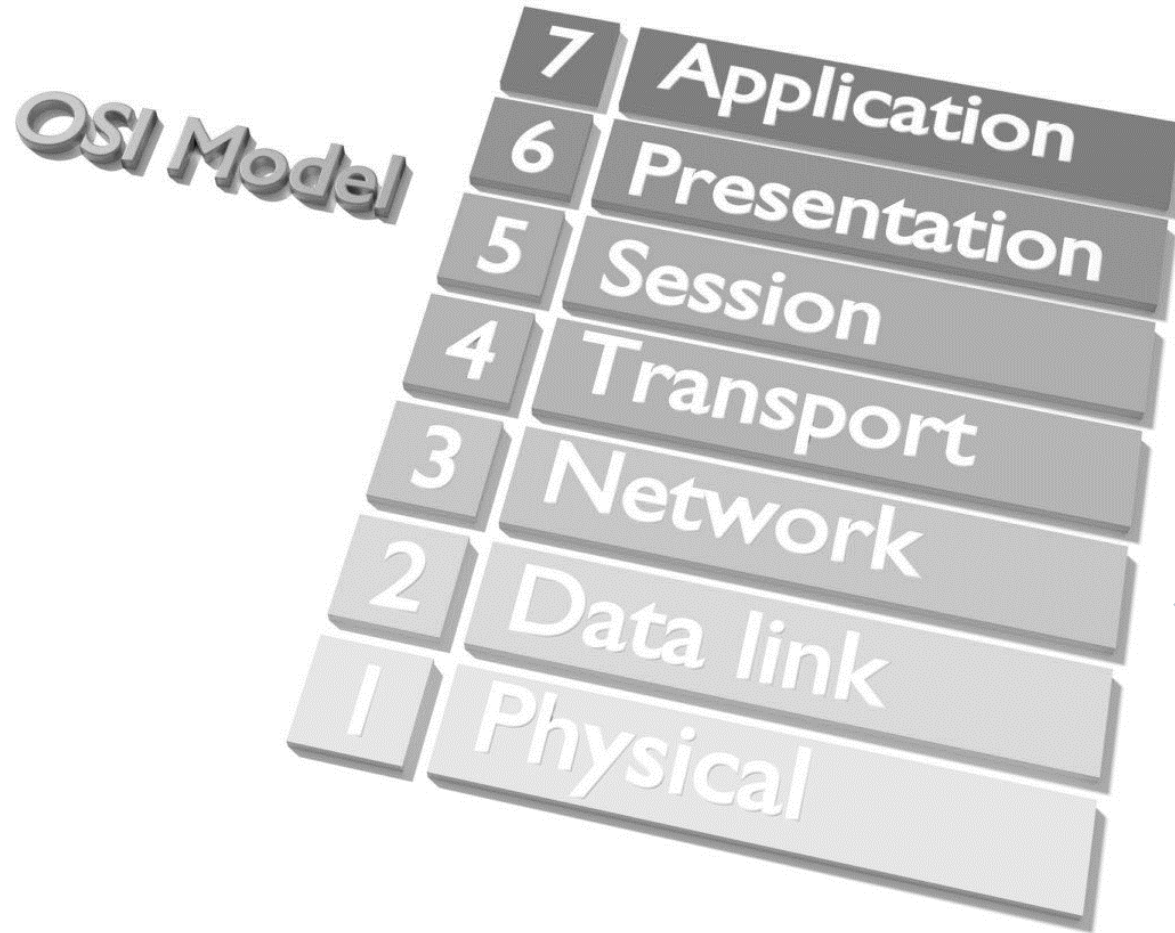
Device Name

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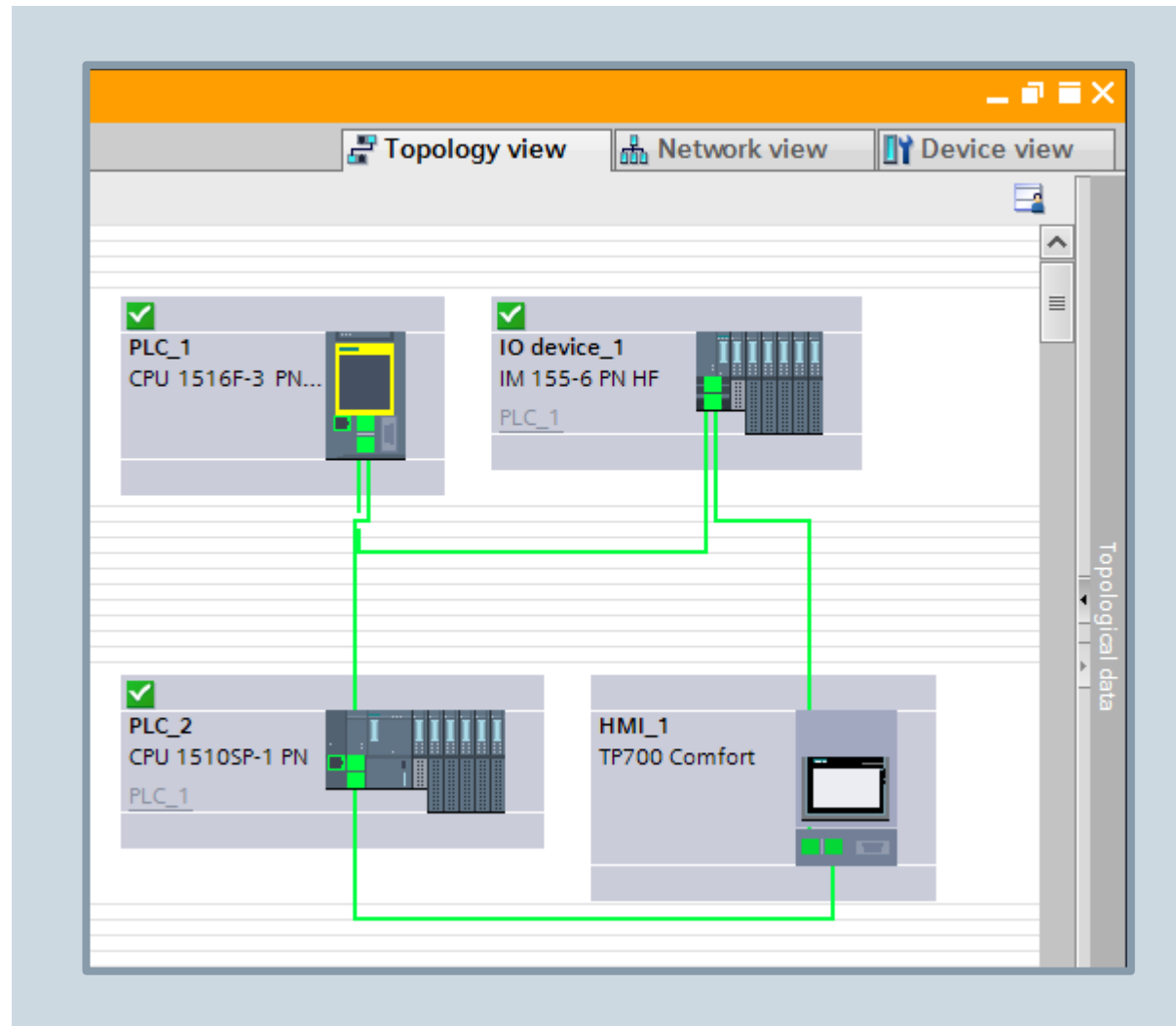
Device Name

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Topology

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DCP i netværksudstyr



Discovery and Set via PROFINET Discovery and Configuration Protocol (DCP)

Interface: vlan1 ▼

Discover

Port	MAC Address	Device Type	Device Name	IP Address	Mask Address	Gateway Address	Name Status	IP Status	Timeout[s]	Blink
P1	00-0e-8c-da-ce-41	SCALANCE X-300	1003u1	192.168.0.11	255.255.255.0	192.168.0.1	Discovered	Discovered/IP	5 ▼	Blink
P1	00-1c-06-46-07-6e	SINAMICS S210	drive3	192.168.0.4	255.255.255.0	192.168.0.4	Discovered	Discovered/IP	5 ▼	Blink
P1	00-1c-06-46-07-72	SINAMICS S210	drive1	192.168.0.2	255.255.255.0	192.168.0.2	Discovered	Discovered/IP	5 ▼	Blink
P1	00-1c-06-46-07-76	SINAMICS S210	drive4	192.168.0.5	255.255.255.0	192.168.0.5	Discovered	Discovered/IP	5 ▼	Blink
P1	00-1c-06-46-07-82	SINAMICS S210	drive2	192.168.0.3	255.255.255.0	192.168.0.3	Discovered	Discovered/IP	5 ▼	Blink
P1	00-d0-24-11-2d-fc	In-Sight	insight	192.168.0.9	255.255.255.0	192.168.0.9	Discovered	Discovered/IP	5 ▼	Blink
P1	28-63-36-45-f6-76	SIMATIC-HMI	comfortxa9xc7e48	192.168.0.6	255.255.255.0	0.0.0.0	Discovered	Discovered/IP	5 ▼	Blink
P1	28-63-36-4a-1e-77	ET200SP	io	192.168.0.7	255.255.255.0	192.168.0.7	Discovered	Discovered/IP	5 ▼	Blink
P1	28-63-36-a4-ce-ff	S7-1500	plcxb1.profinetxainte	192.168.0.1	255.255.255.0	192.168.0.1	Discovered	Discovered/IP	5 ▼	Blink

9 entries.

Set Values Refresh

Agenda

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- Hvad med Profibus?
- What else: SINEC NMS - VC - TIA Cloud
- Q/A
- Whats Next?



Controller



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server
- Port 102

Alternatives:

- SD Card
- Access adress
- Port forwarding

Restrictions:

- Hardware upload
- Proneta
- Device Name search

Diagnoses:

- TIA Portal diagnoses
- Webserver

Controller



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server
- Port 102

Alternatives:

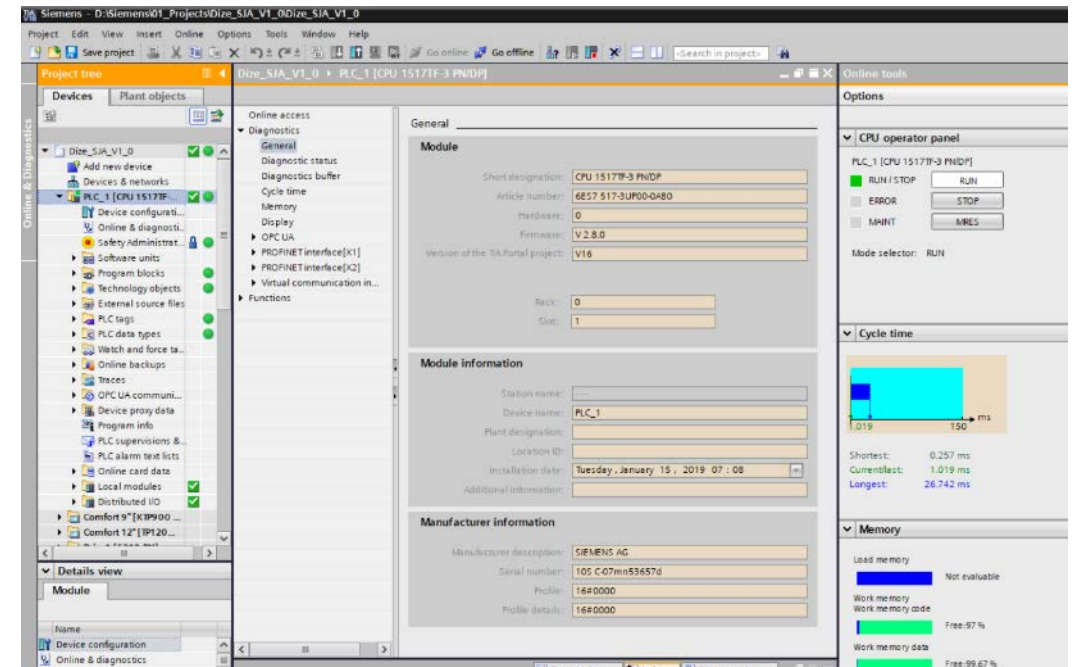
- SD Card
- Access adress
- Port forwarding

Restrictions:

- Hardware upload
- Proneta
- Device Name search

Diagnoses:

- TIA Portal diagnoses
- Webserver





Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server
- TIA HMI Project

Alternatives:

- SD Card
- Access adress
- HMI Simulering
- PackAndGo

Restrictions:

- Hardware upload

Diagnoses:

- Webserver
- TIA Portal diagnoses



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server
- TIA HMI Project

Alternatives:

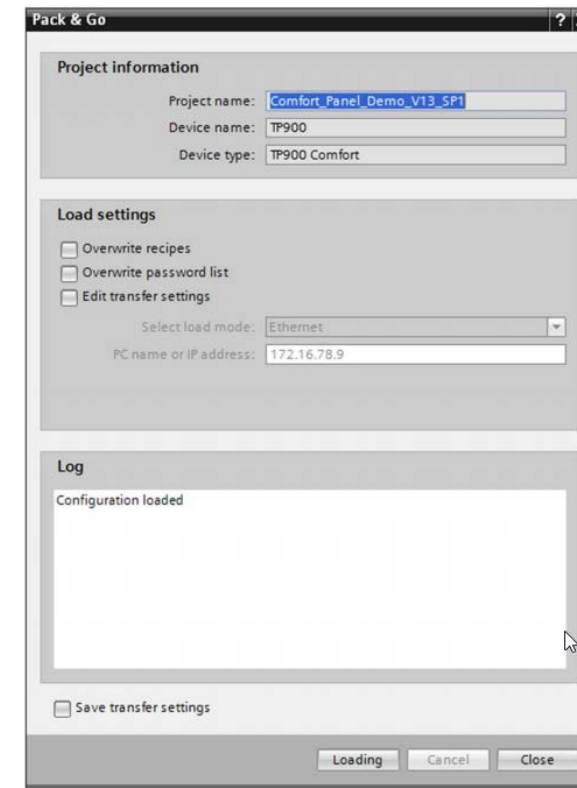
- SD Card
- Access adress
- HMI Simulering
- **PackAndGo**

Restrictions:

- Hardware upload

Diagnoses:

- Webserver
- TIA Portal diagnoses





Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

- SD Card
- IOP/BOP
- User program

Restrictions:

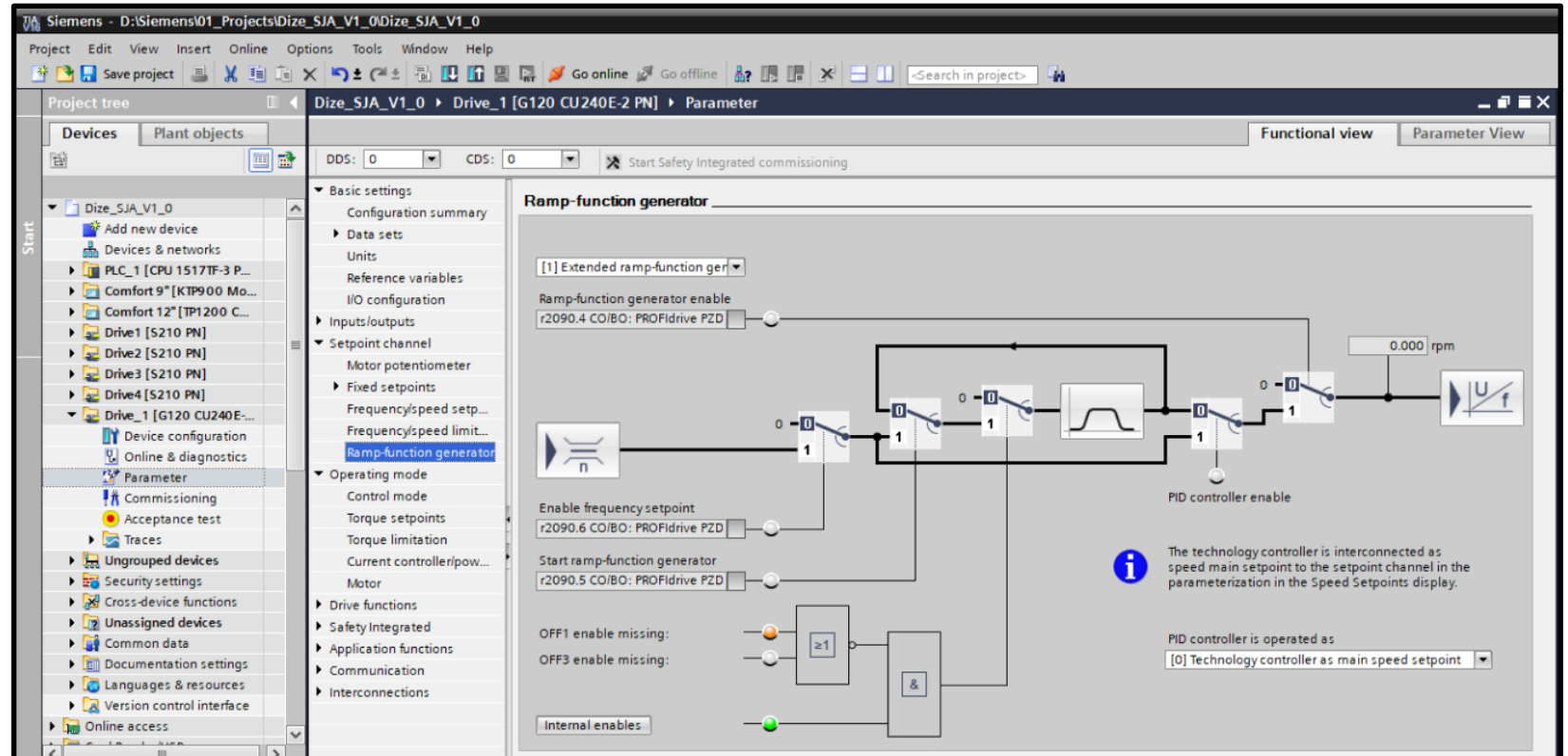
- Proneta
- Device Name search

Diagnoses:

- STARTDRIVE TIA Portal diagnoses
- Webinterface for S120+S210

Drives

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Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

- SD Card
- IOP/BOP
- User program

Restrictions:

- Proneta
- Device Name search

Diagnoses:

- STARTDRIVE TIA Portal diagnoses
- Webinterface for S120+S210



Drives



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

- SD Card
- **IOP/BOP**
- User program

Restrictions:

- Proneta
- Device Name search

Diagnoses:

- STARTDRIVE TIA Portal diagnoses
- Webinterface for S120+S210



Drives



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

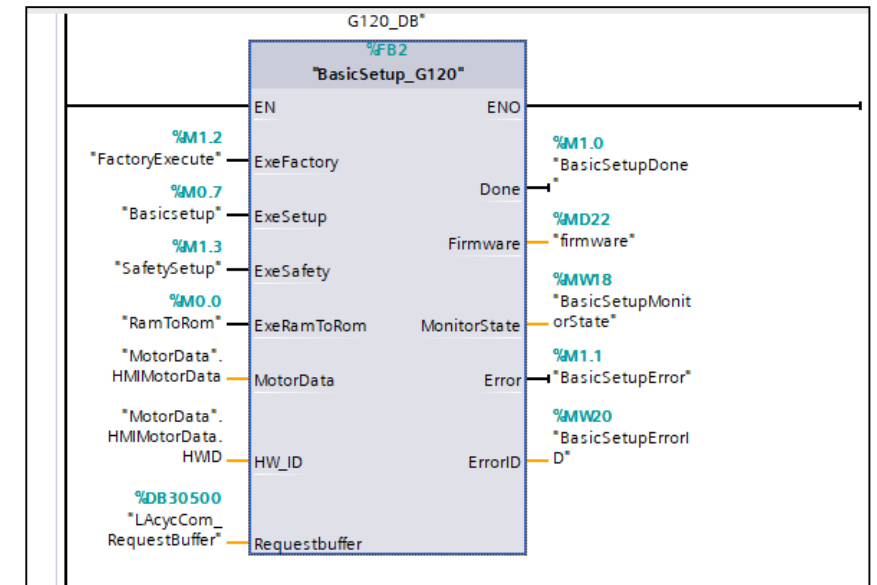
- SD Card
- IOP/BOP
- **User program**

Restrictions:

- Proneta
- Device Name search

Diagnoses:

- STARTDRIVE TIA Portal diagnoses
- Webinterface for S120+S210





Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

- HF Device Name stored in Busadaptor

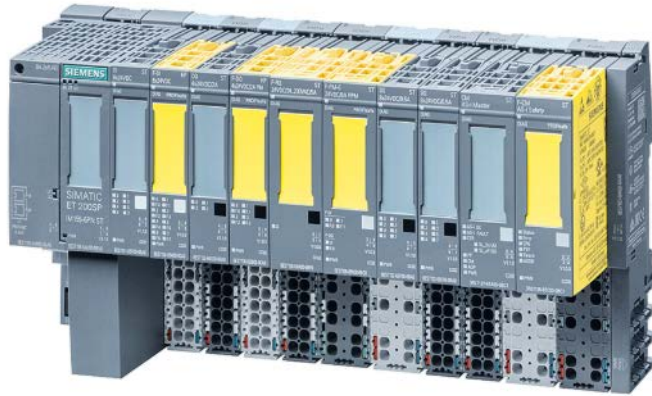
Restrictions:

- Proneta
- Device Name search

Diagnoses:

- TIA PORTAL diagnoses
- Webinterface controller

Failsafe



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

- F-designation adr by serial no

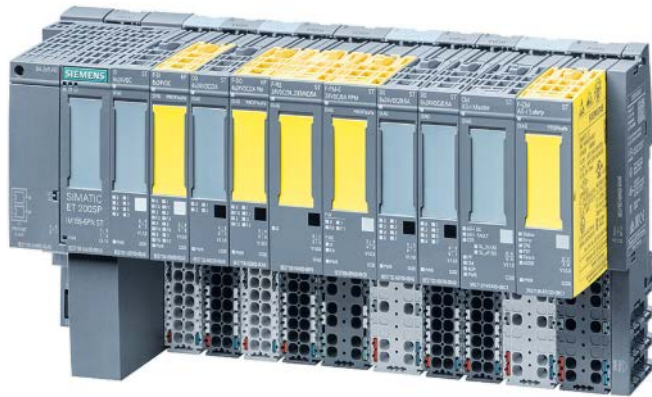
Restrictions:

- Enable upload failsafe feature

Diagnoses:

- TIA Portal diagnoses

Failsafe



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

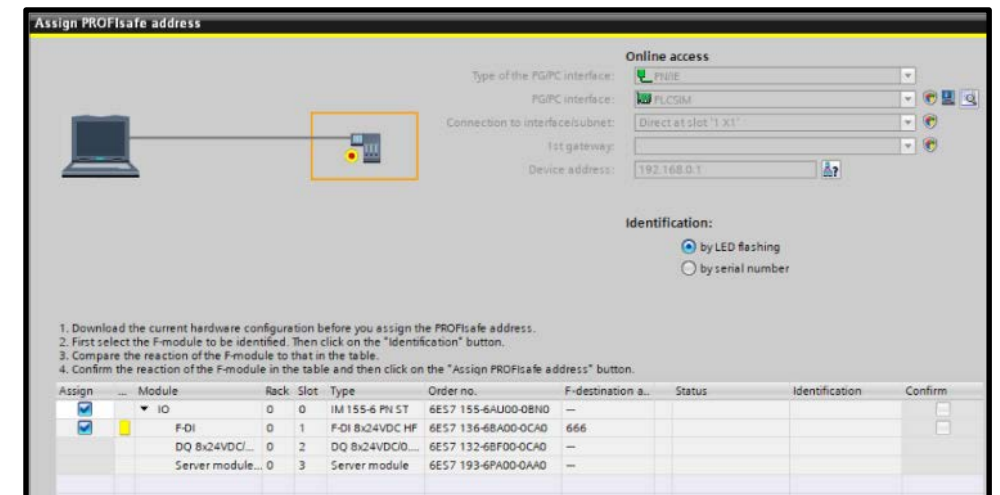
- F-designation adr by serial no

Restrictions:

- Enable upload failsafe feature

Diagnoses:

- TIA Portal diagnoses



Failsafe

Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server

Alternatives:

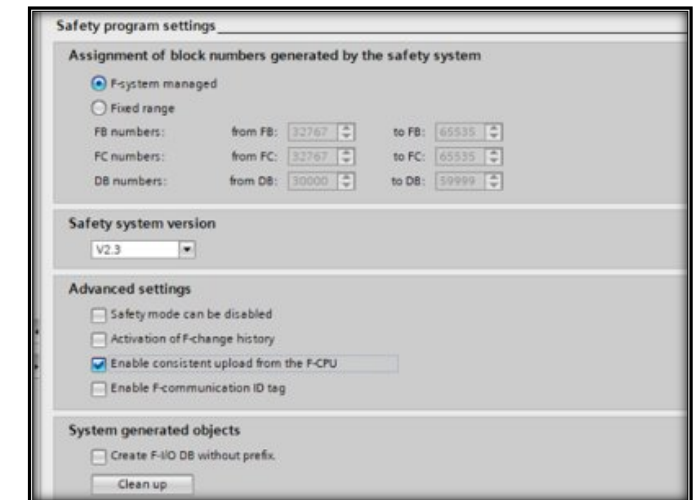
- F-designation adr by serial no

Restrictions:

- Enable upload failsafe feature

Diagnoses:

- TIA Portal diagnoses



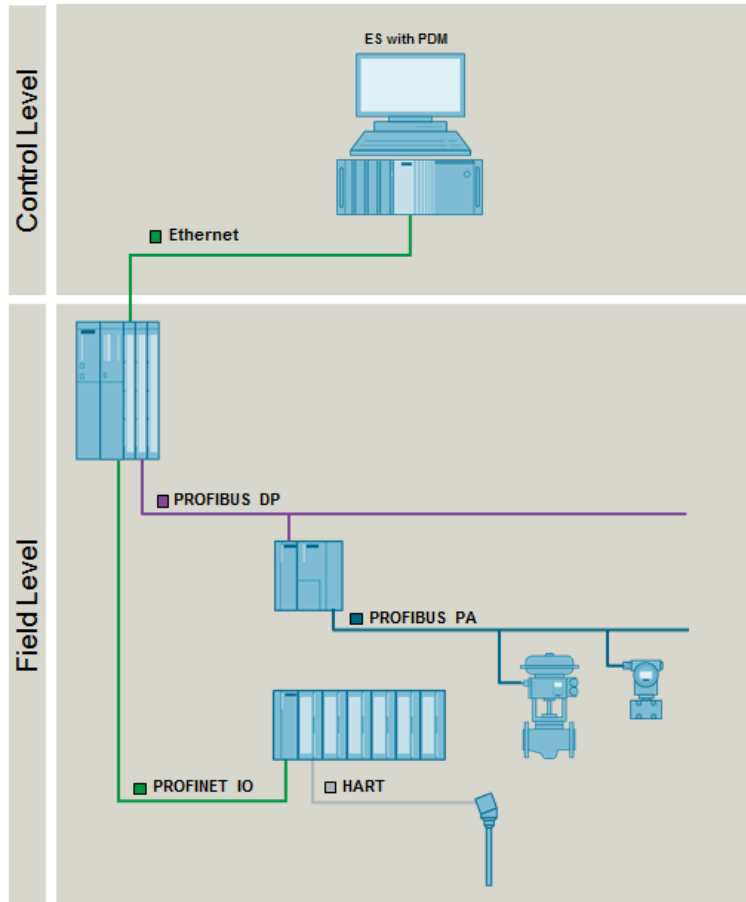
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- **Hvad med Profibus?**
- What else: SINEC NMS - VC - TIA Cloud
- Q/A
- Whats Next?



Profibus



Requirements:

- Access to VPN Router (modem/wifi/cable)
- Access to Sinema Remote Connect Server
- S7 Controller with Ethernet and Profibus/ IEPB-link / M804-2PB

Diagnoses:

- TIA Portal diagnoses / PDM

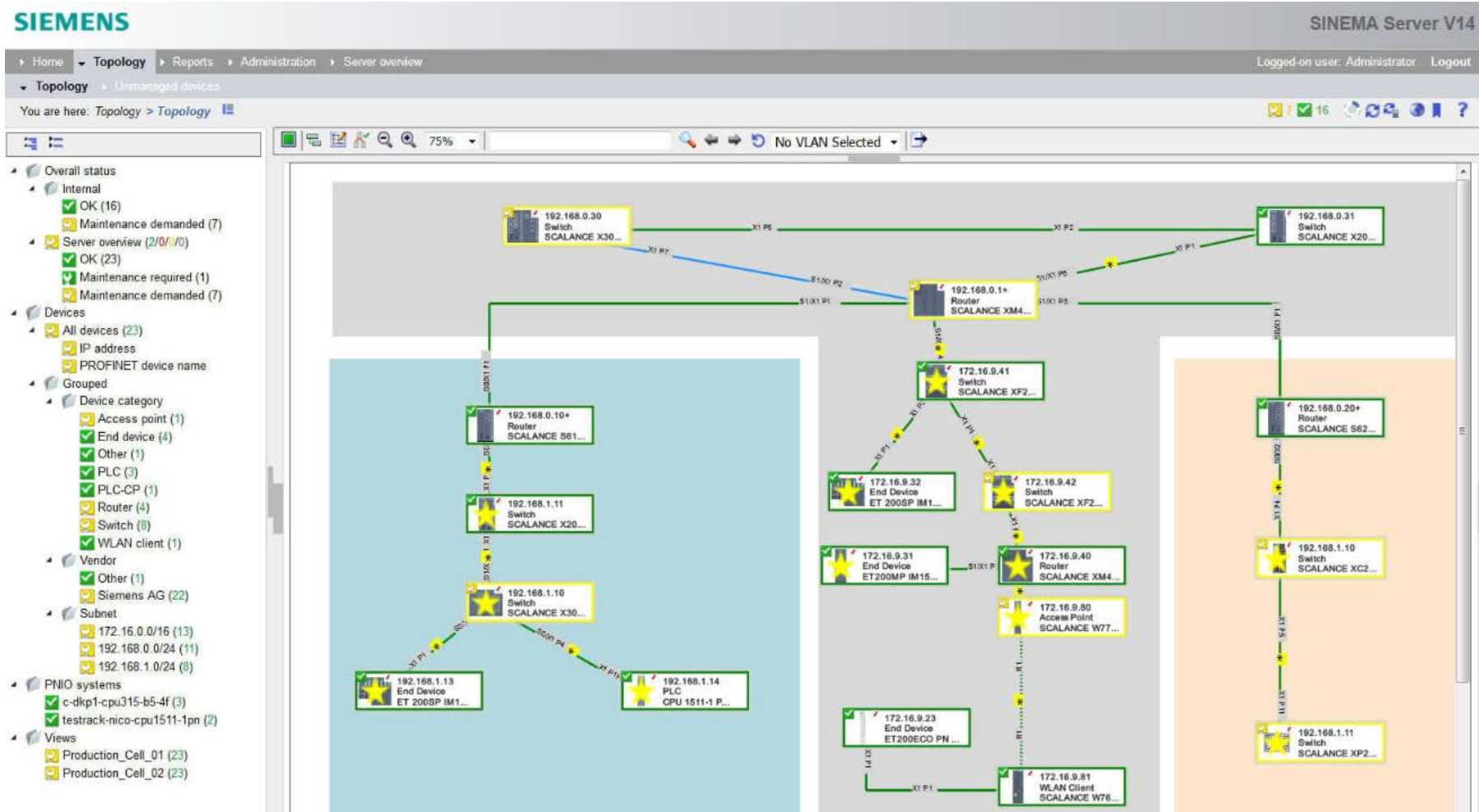
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SINEC NMS

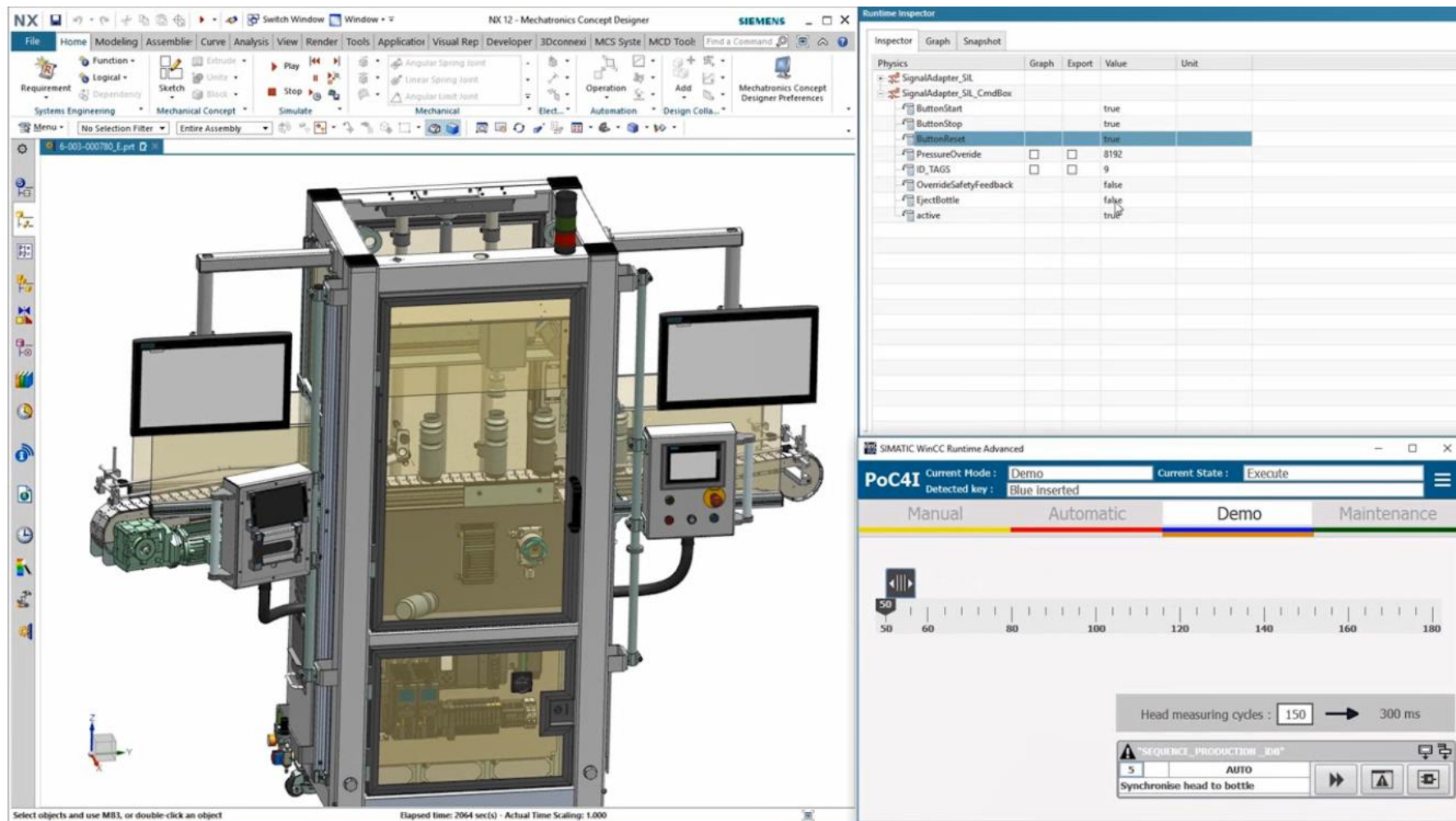


Virtual commissioning Digital Twin

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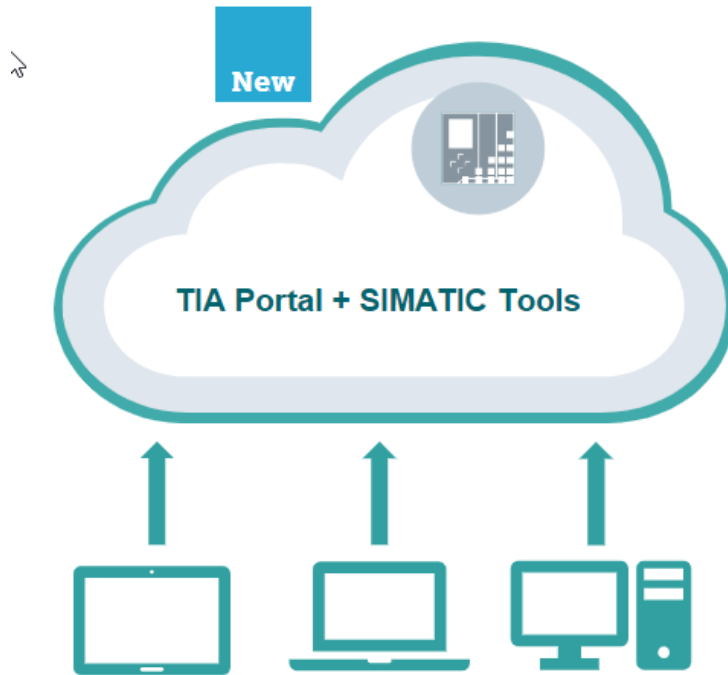
Time-saving
validation of
automation code
and machine in
the virtual world

NX Mechatronics Concept
Designer, PLCSim
Advanced, TIA Portal, SIMATIC



TIA Portal Cloud

TIA Portal Cloud as TRIAL



Feature / Function

Simple **cloud environment** for TIA Portal Engineering

Simple **test environment** for TIA Portal usecases in the cloud

web-based access to TIA Portal engineering in the cloud

Cloud-based FileShare for TIA Portal projects

Benefit

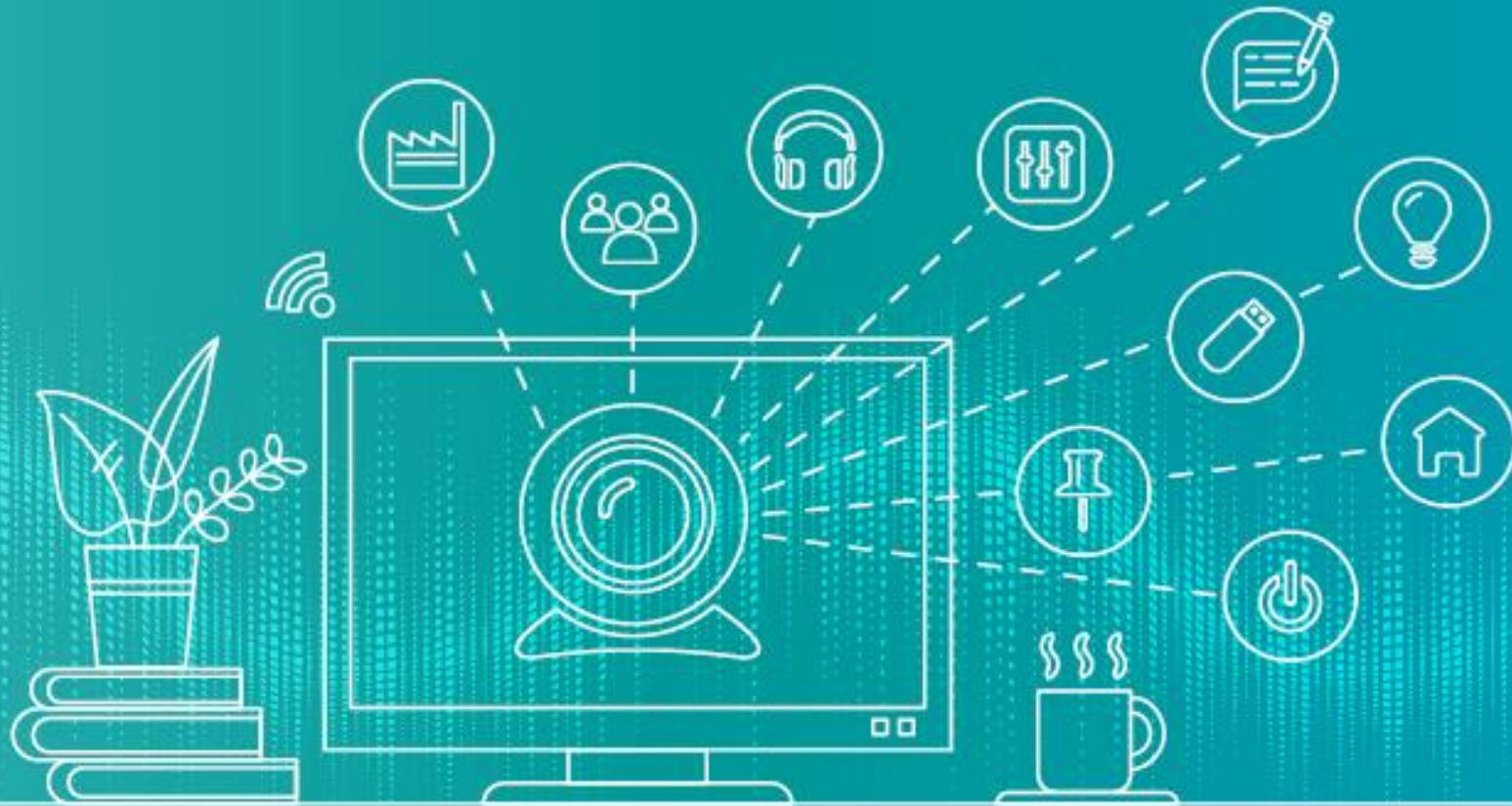
- fast ad-hoc use of TIA Portal
- Simplified trial use of TIA Portal and TIA Portal options
- Simplified test environment with high performance
- simulation capability with S7-PLCSIM Advanced
- No installation effort at all
- Flexible application possibilities on any PC and tablet hardware
- Very low hardware requirements
- easy management with centralized data storage of TIA Portal projects

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Spørgsmål

Yderligere information



Gense webinar og download materiale på **www.siemens.dk/di-webinarer**

Find tips og trick på YouTube

Kontakt

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Søren Jakobsen - soeren.jakobsen@siemens.com

Lars-Peter Hansen - lars-peter.hansen@siemens.com

www.siemens.dk/di-kontakt

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- Q/A
- **Whats Next?**



Næste webinar

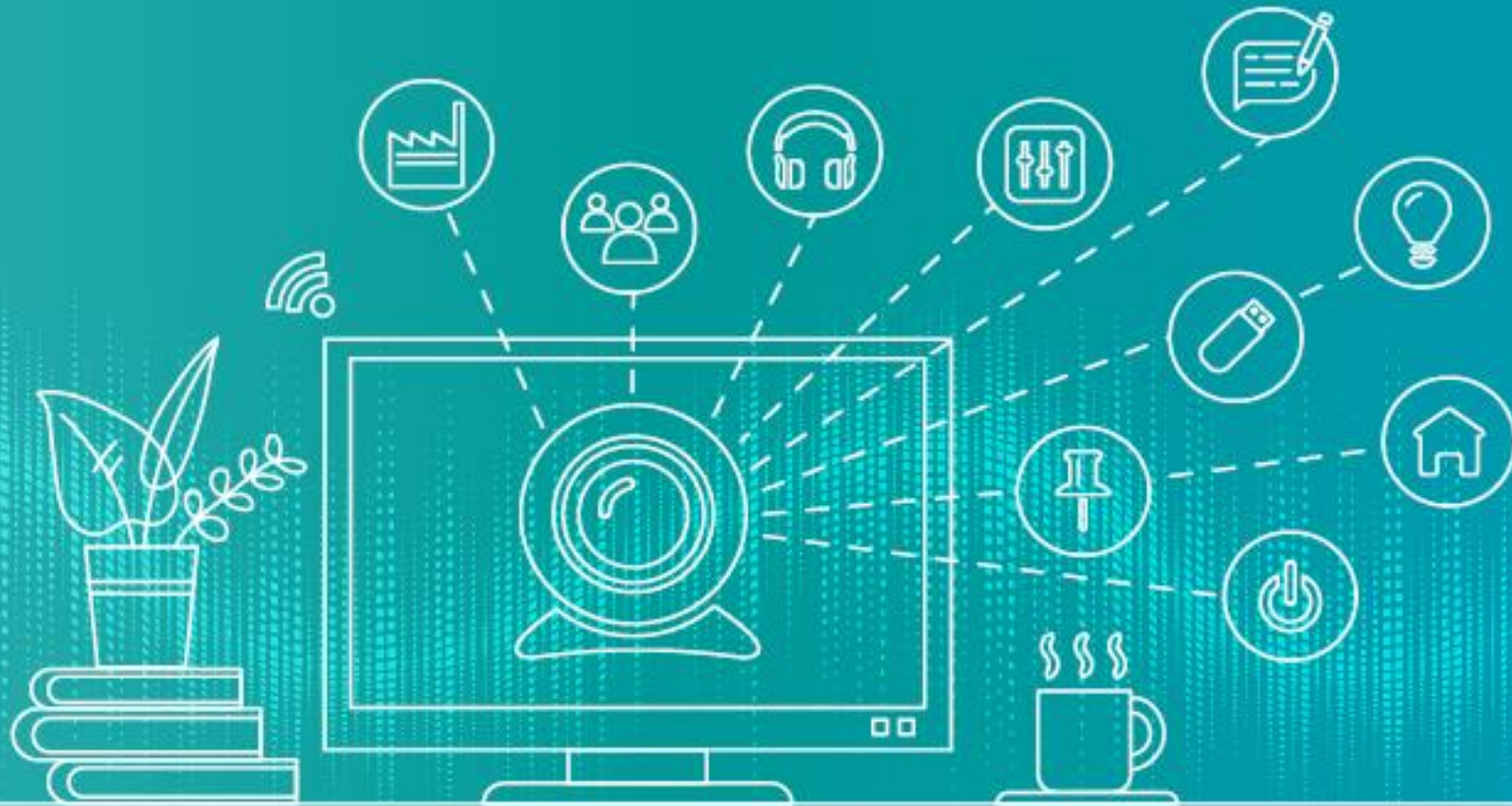


Fremtidens visualiseringsplatform WinCC Unified - der dækker det hele!

Her giver vi en gennemgang af Siemens nye visualiseringsplatform Simatic WinCC Unified.

En digital løsning med fuld skalerbarhed, og som dækker alt fra 7" HMI-paneler til et større Client Server SCADA-system.





www.siemens.dk/di-webinarer