CDT TECH DAY

MAY 28th

# Capital X Panel Designer

## Siemens easy to use, cloud-based Electrical CAD software

CDT Tech Day / User Forum
2025-05-27

# Capital X Panel Designer

- Siemens easy to use, cloud based Electrical CAD software for industrial applications

| | Capital X Panel Designer |
|---|---|
| 01 | Capital X Panel Designer Overview |
| 02 | Capital Solution Positioning |
| 03 | Customer Engineering Workflow |
| 04 | Capital X Panel Designer Capabilities |

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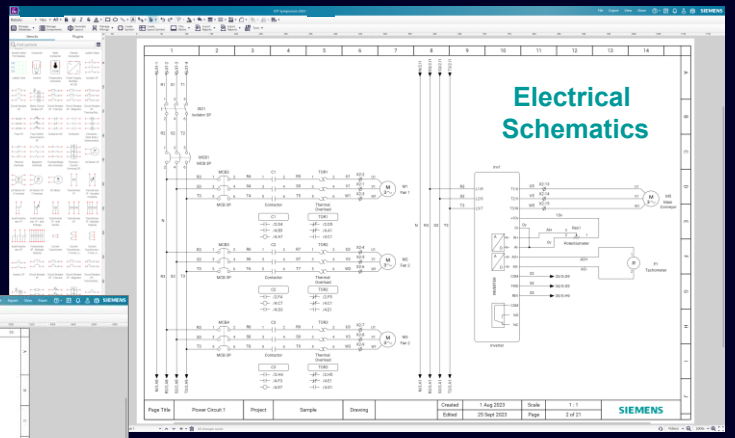
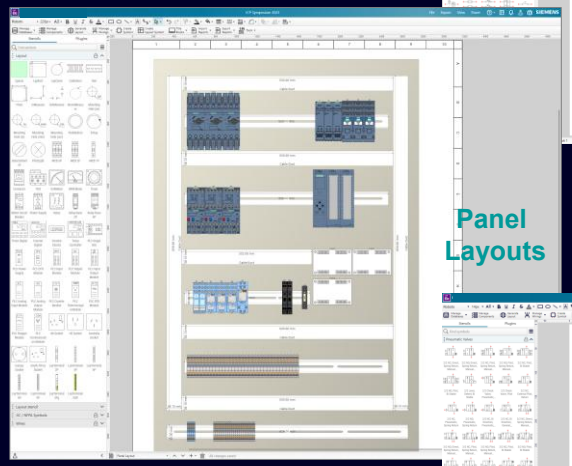
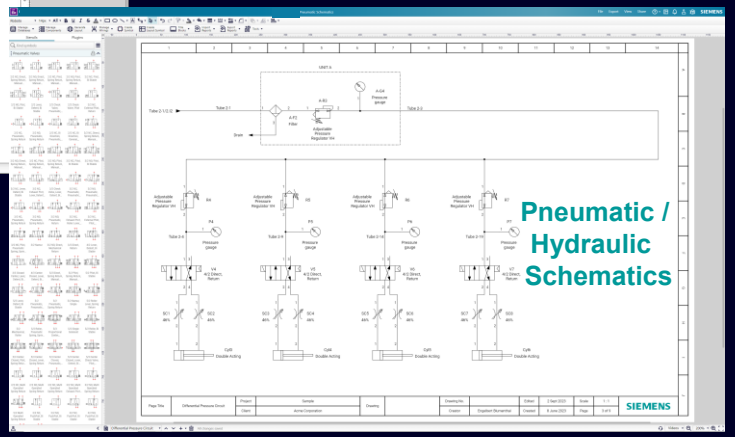
# Capital X Panel Designer




## Capital X Panel Designer

**- Siemens easy to use, cloud based Electrical CAD software for industrial applications**

**Easier** → Minimal training, no setup and no installation required. Just a secure sign in and you're in business.

**Faster** → Smart schematic automation tools that lets you create circuits 3-5X faster.

**Together** → Access, share and concurrently edit critical electrical CAD schematics using any device, anywhere, with secure access permissions.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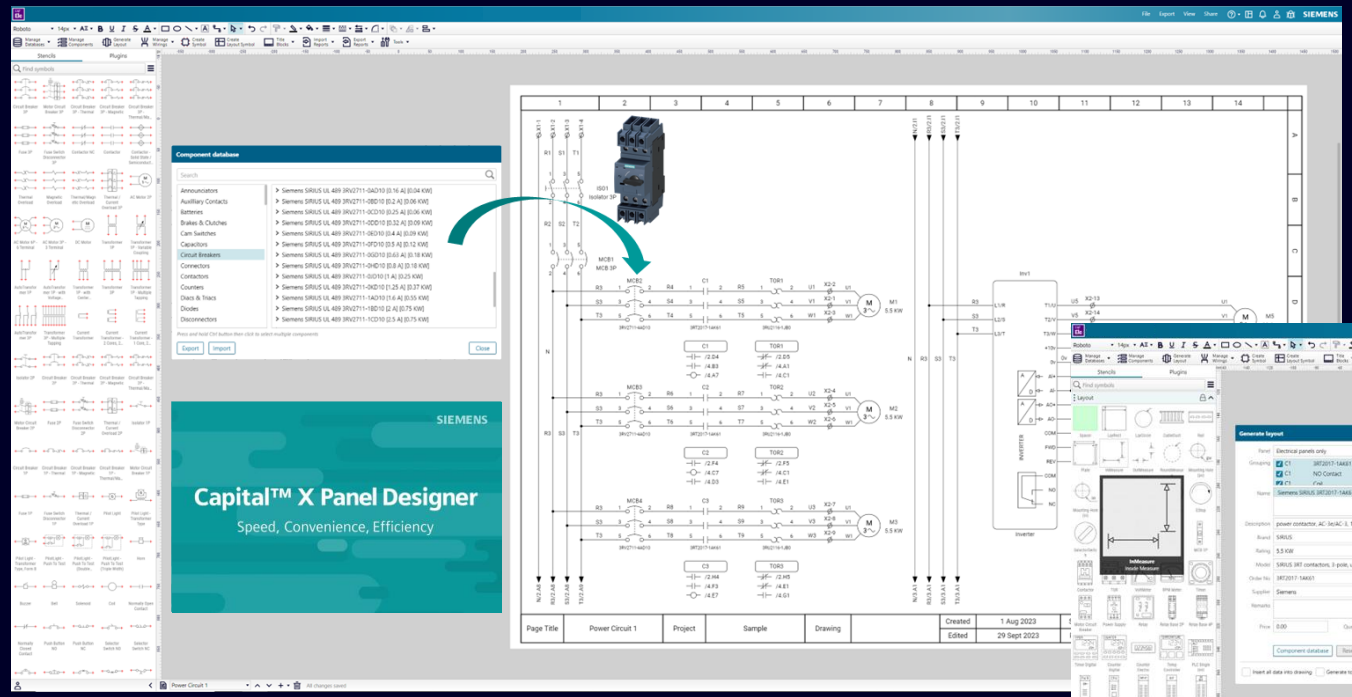
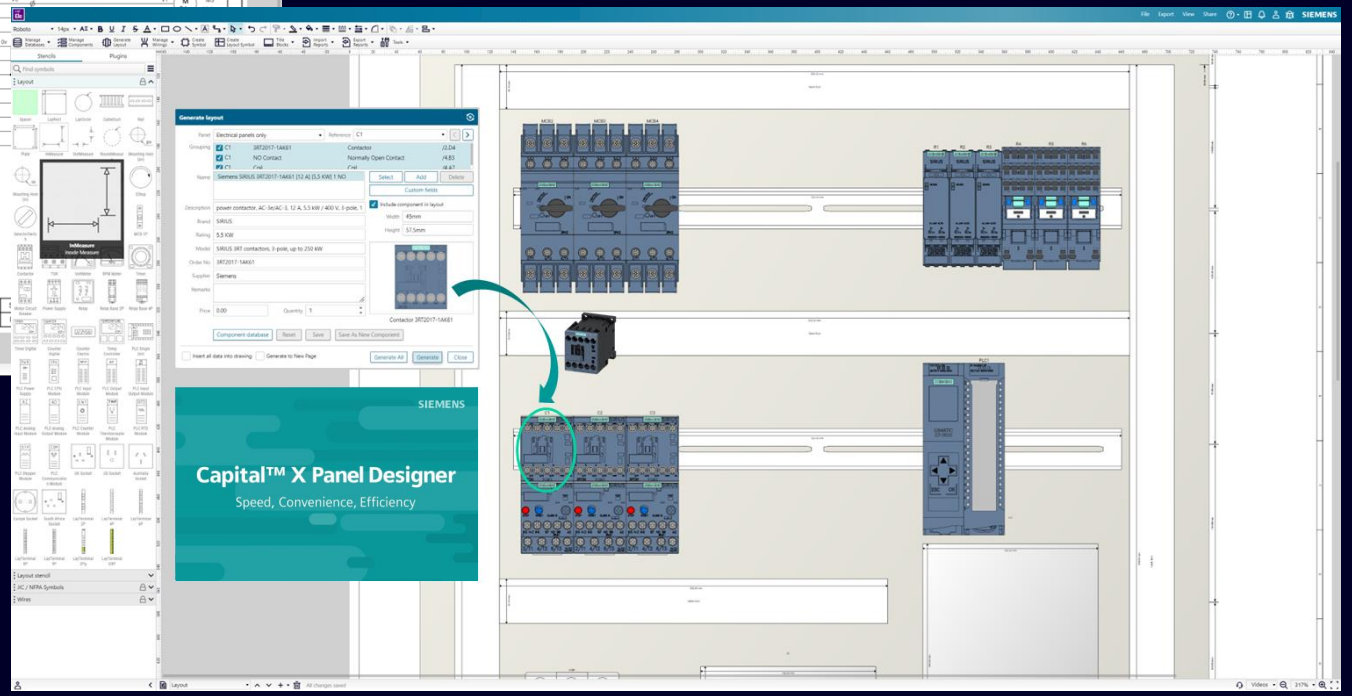



Create electrical schematic

Create panel layout





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# Siemens Digital Industries Software (DI SW)
Software and products

**NX**
Mechanical design for product development

**Solid Edge**
Engineering software for mainstream

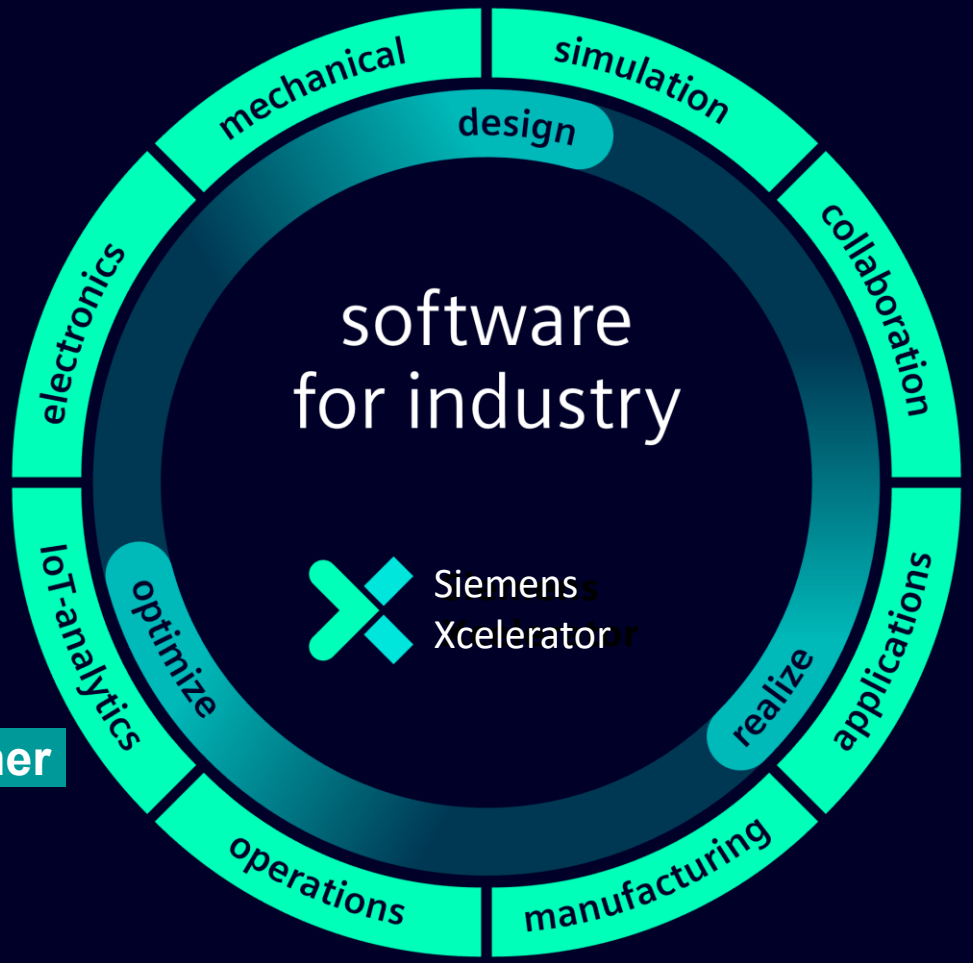
**Simcenter**
Multidisciplinary simulation and testing

**Insights Hub**
IoT as a Service solutions

**Mendix**
Low-code application development

**Capital** **Capital X Panel Designer**
E/E systems development

**Opcenter, Tecnomatix, NX CAM**
Manufacturing operations management




**Supplyframe**
Supply chain management

**Teamcenter, Polarion**
Product lifecycle management

**Valor, HyperLynx**
Electronics systems verification

**Xpedition, PADs**
Electronic systems design

**Calibre, Aprisa, Catapult, Tanner**
Integrated circuit design

**Tessent, Questa, Veloce, Analog FastSPICE, Symphony, mPower, Power Pro**
Integrated circuit verification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# Capital solution positioning

| | Capital | Capital Essentials | Capital X Panel Designer |
|---|---|---|---|
| | | | |
| Scope | E/E Systems Development | Wiring & Harness Design | Electrical schematics, panel design |
| Dominant Industries | A&D, A&T, HE, Marine | Simpler A&T, HE | IM, Energy |
| User Persona | Multiple | Electrical Engineer | Electrical Engineer |
| Dominant Customer Size | Enterprise | Medium / Small | Small / Medium |
| Dominant GTM | Direct | Partner | Digital / Partner |
| Price | High | Medium | Low |

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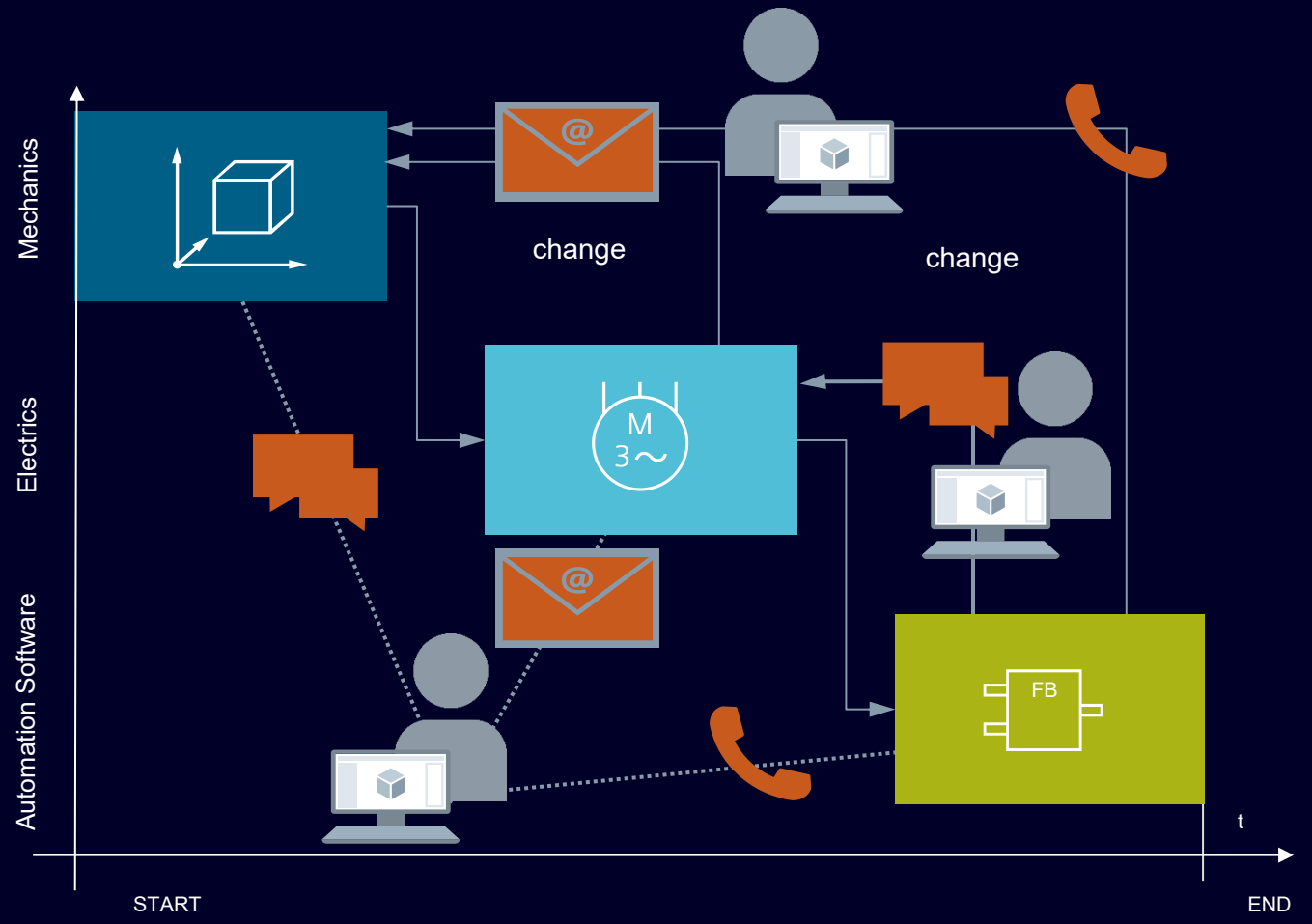
# How does the engineering process look today?




- Sequential engineering
- Manually synchronized
- Supported by home grown IT applications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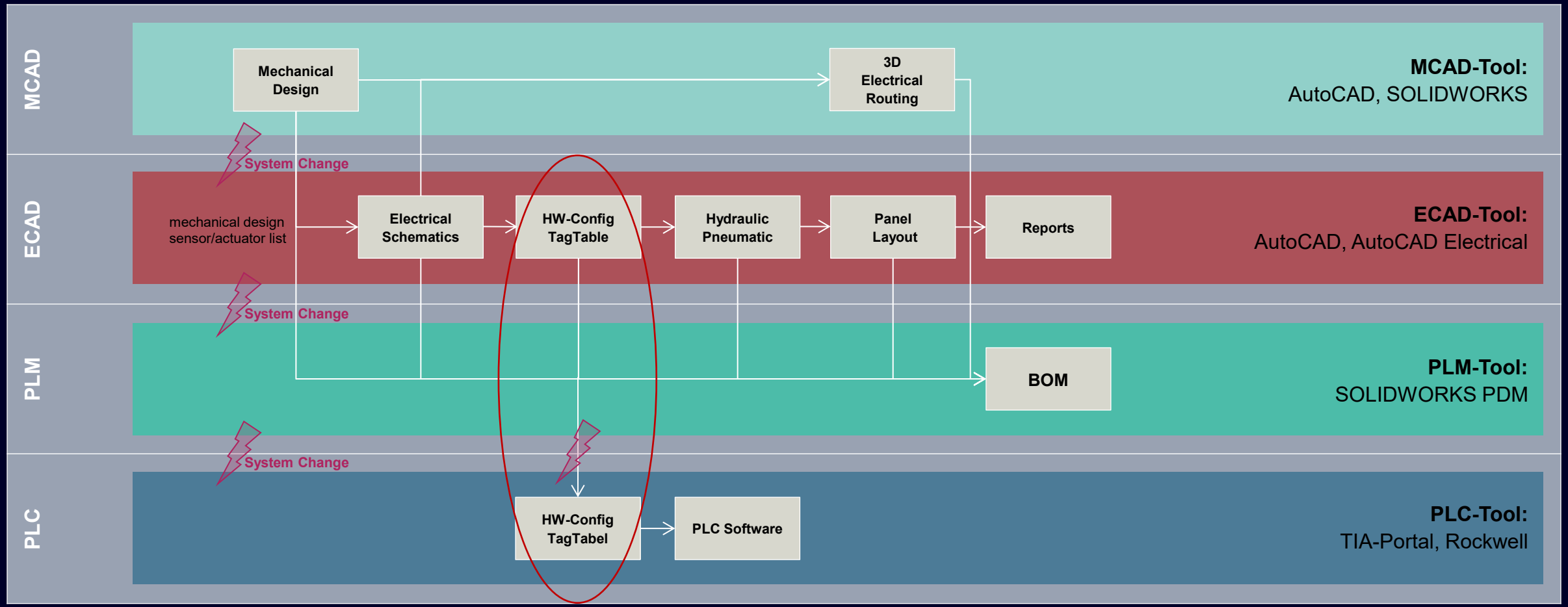
# Todays Engineering Workflow





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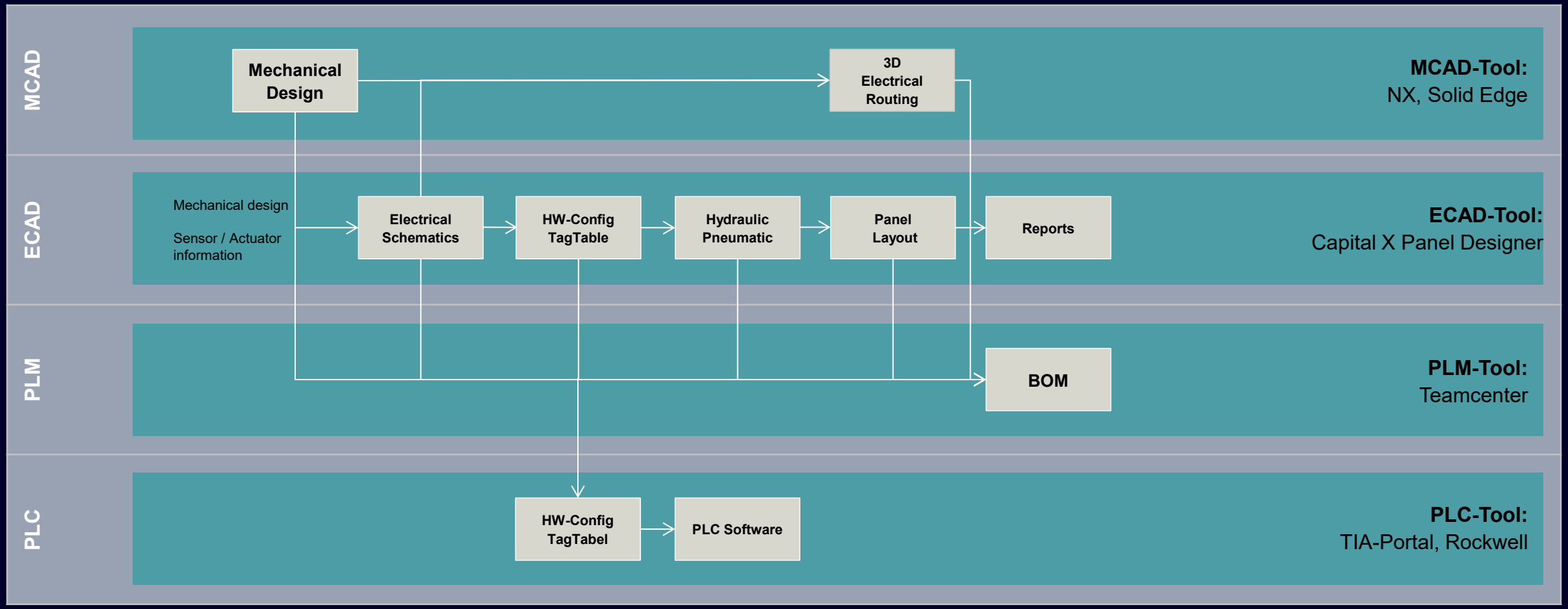
# Future Engineering Workflow





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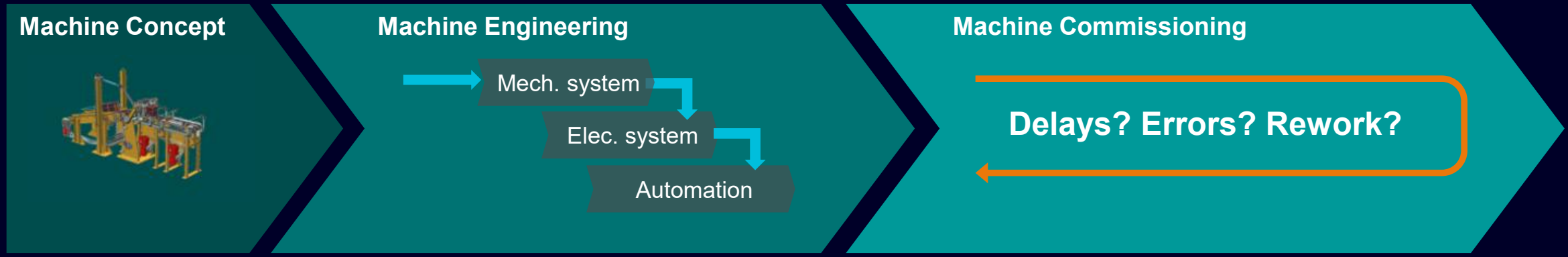
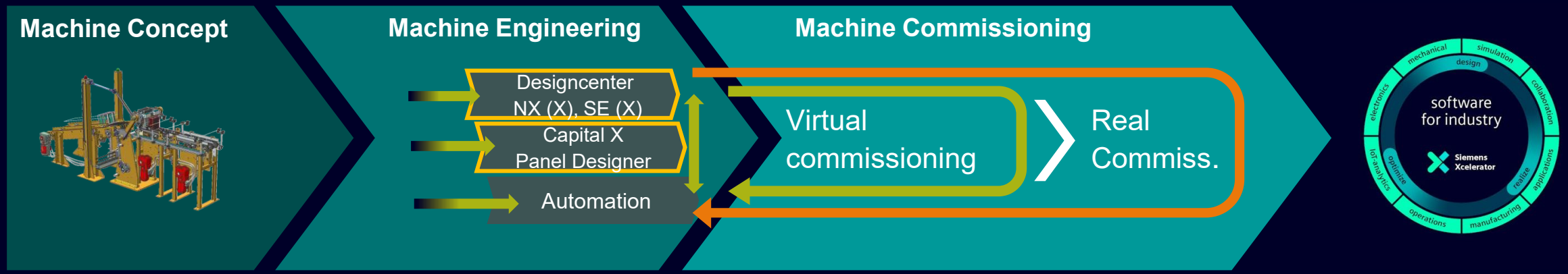
# How can the engineering process be made more flexible?

## **Conventional machine development:** Sequential engineering




## **Machine development with Siemens Virtual Commissioning:** Increasing parallelization in engineering





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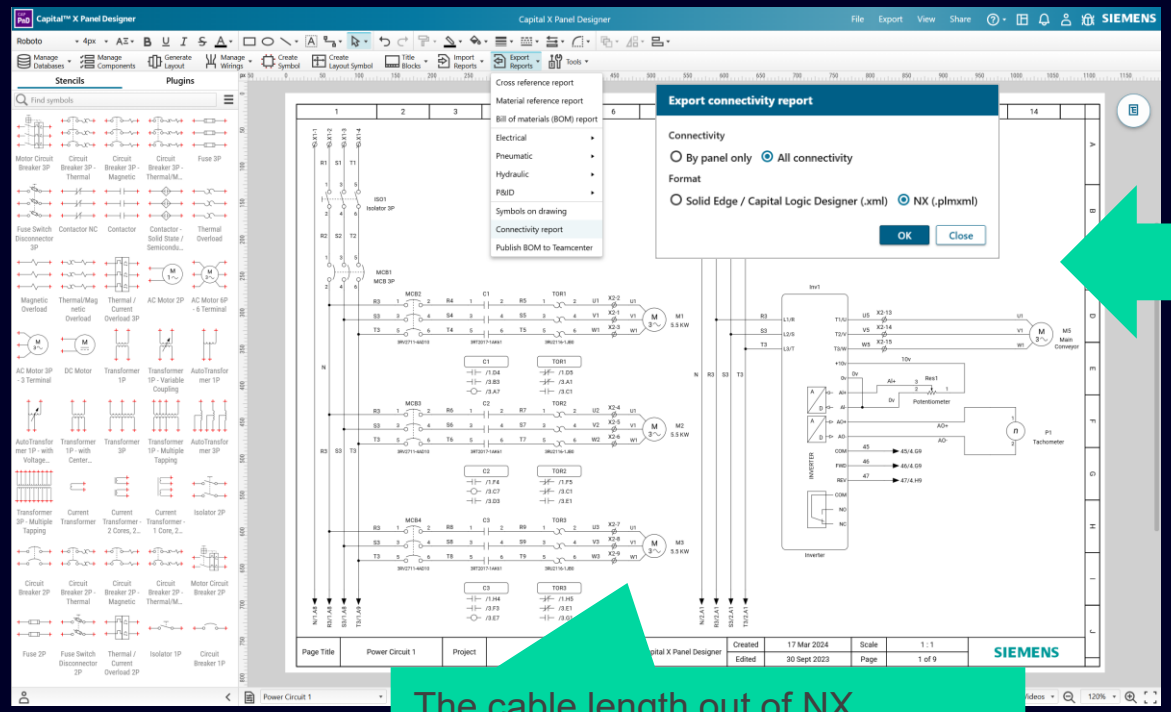
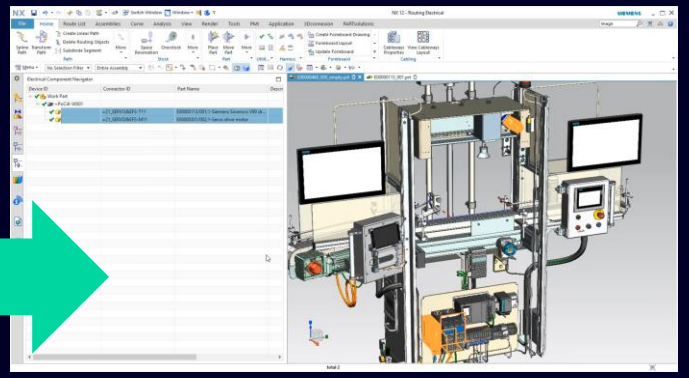
# Capital X Panel Designer
## MCAD Integration

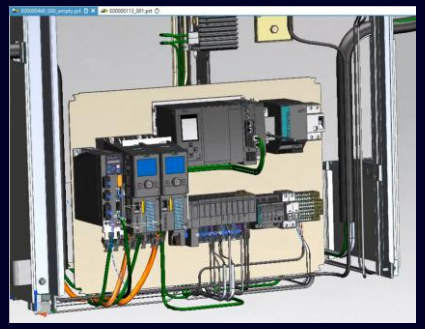
**The user can export the Capital X Panel Designer connectivity to NX.**

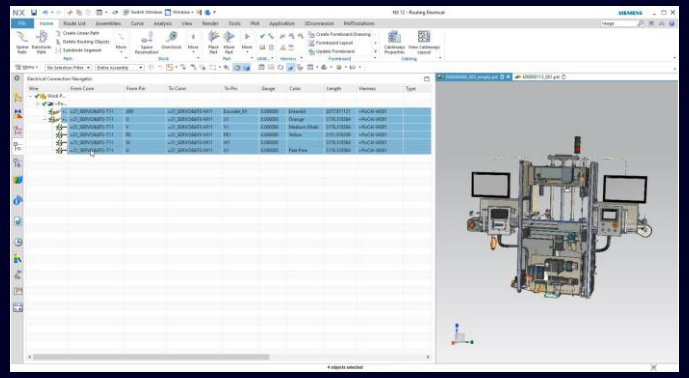


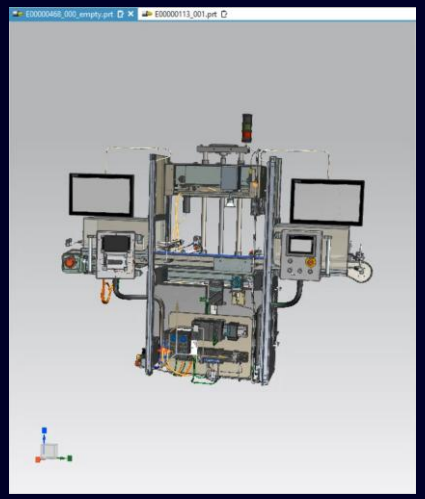

The cable length out of NX Electrical Routing can be imported back into Capital X Panel Designer.

**The user can use NX Electrical Routing to route the cables.**







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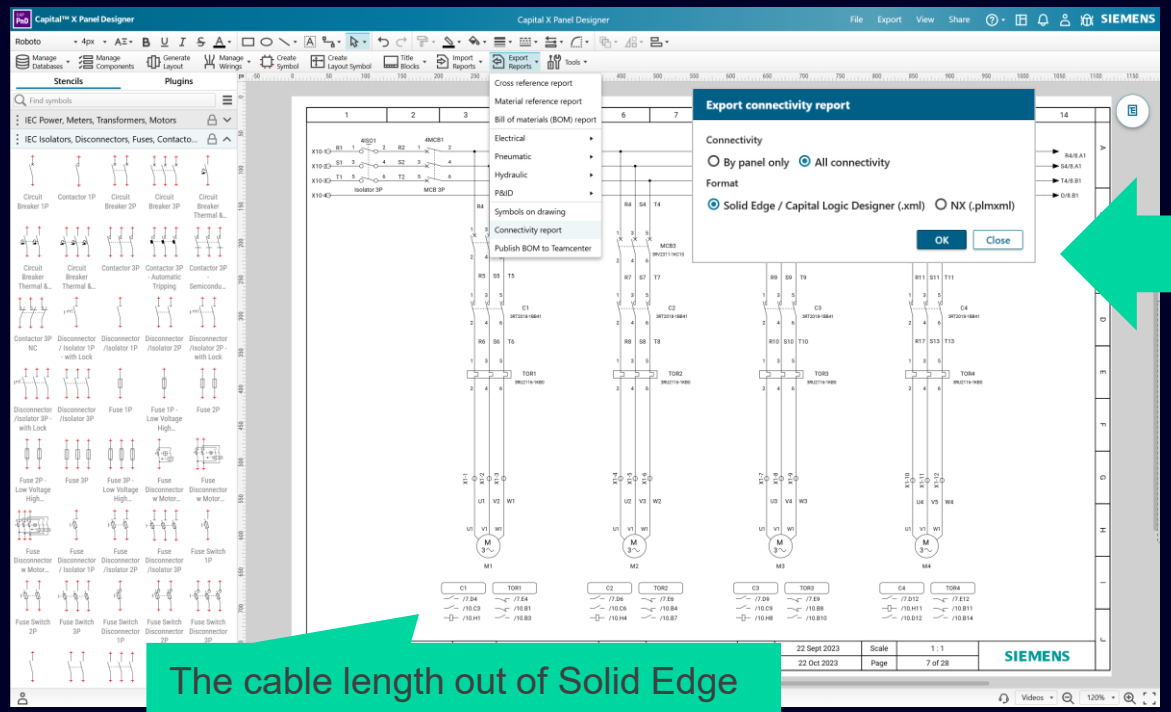
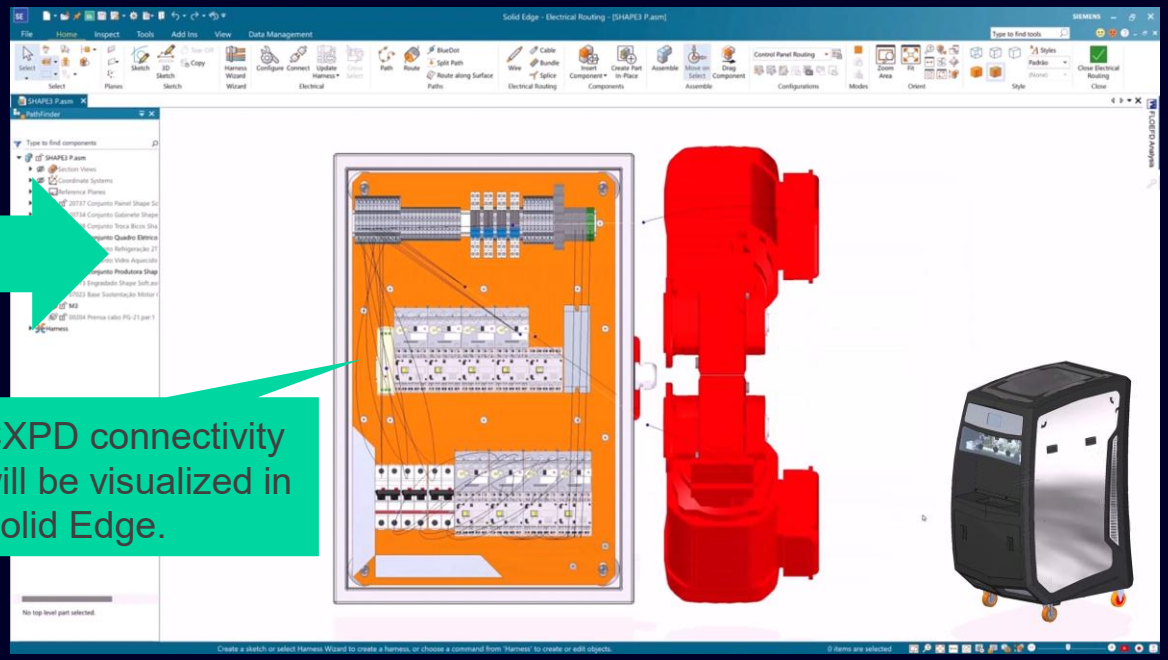
# Capital X Panel Designer
## MCAD Integration

**The user can export the Capital X Panel Designer connectivity to Solid Edge Electrical Routing.**




The cable length out of Solid Edge Electrical Routing can be imported back into Capital X Panel Designer.

**The user can use Solid Edge Electrical Routing to route the cables and wires.**



CXPD connectivity will be visualized in Solid Edge.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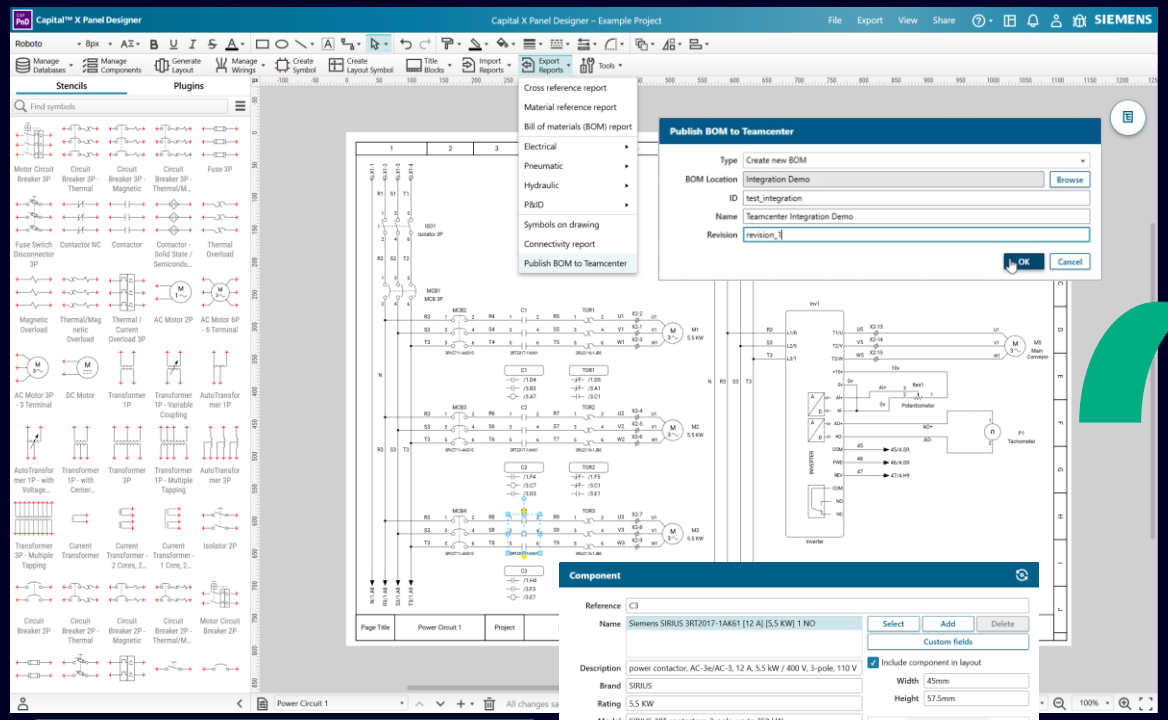
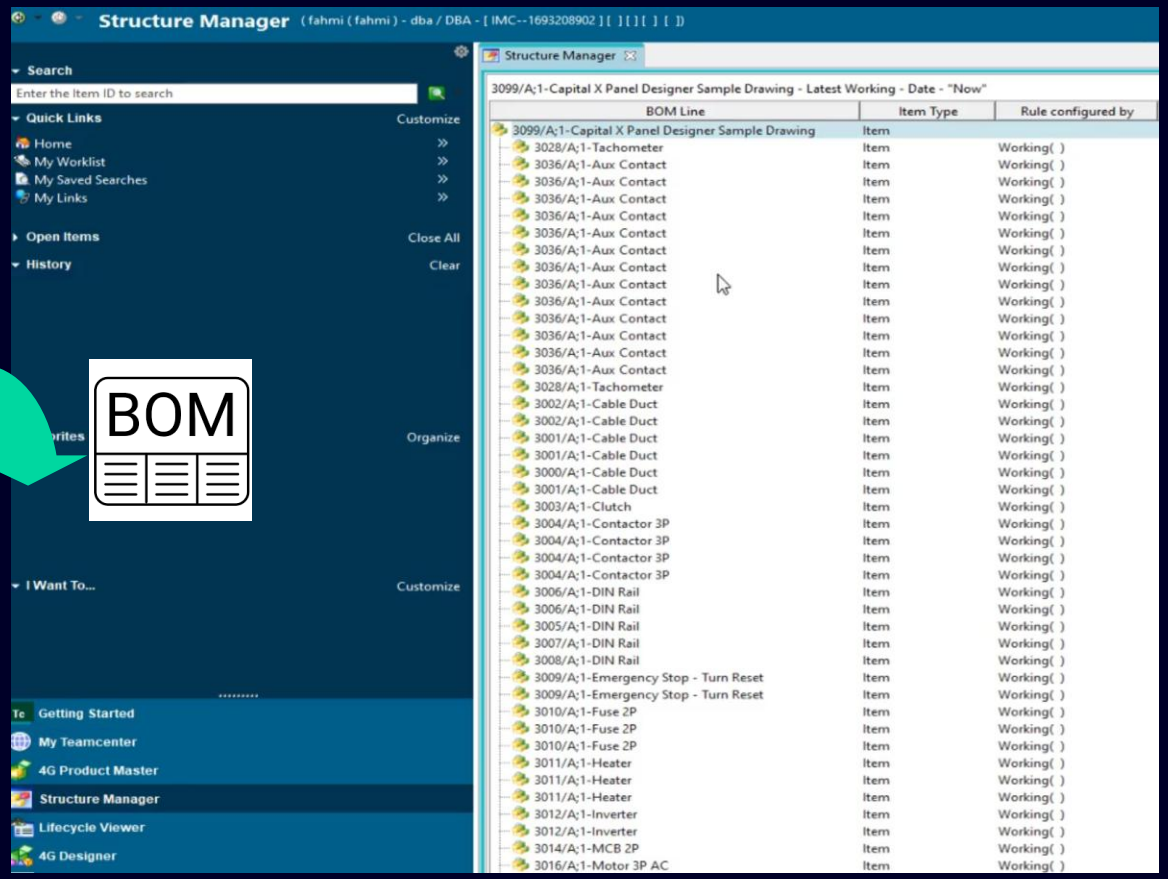
# Capital X Panel Designer
Teamcenter Integration

**The user can publish the Capital X Panel Designer BOM to Teamcenter.**




In the component database all components are linked with Teamcenter





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