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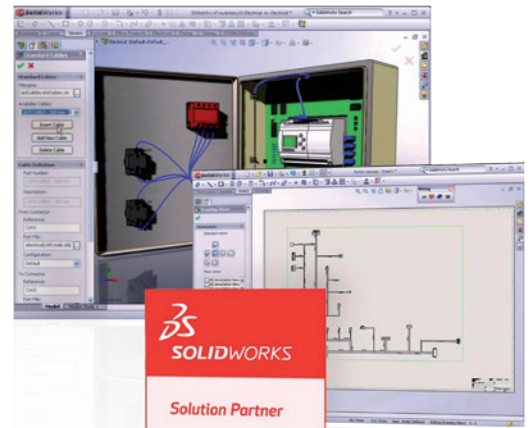
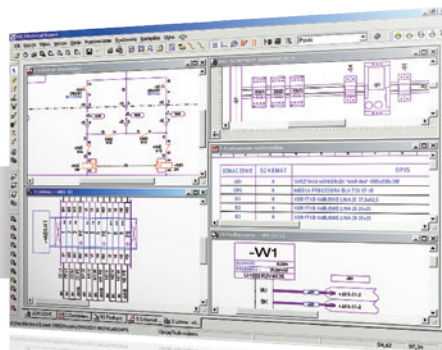
# SolidWorks integration

## Integrate mechanical and electrical design

**Enable Collaborative Design between SEE Electrical Expert and SolidWorks and benefit from the advantages of both Electrical and Mechanical CAD packages!**

IGE+XAO SolidWorks integration enables:

- wire routing in 3D for vehicles, industrial machines or complex plants with SolidWorks Premium Routing,
- 3D control panel design with SolidWorks Premium,
- documentation management, workflow, and lifecycle control in SolidWorks Enterprise PDM.



Solution Partner

Solution Partner

SOLIDWORKS

## 3D routing

SolidWorks Premium,

SEE Electrical Expert with "SolidWorks interface" module.

### Features:

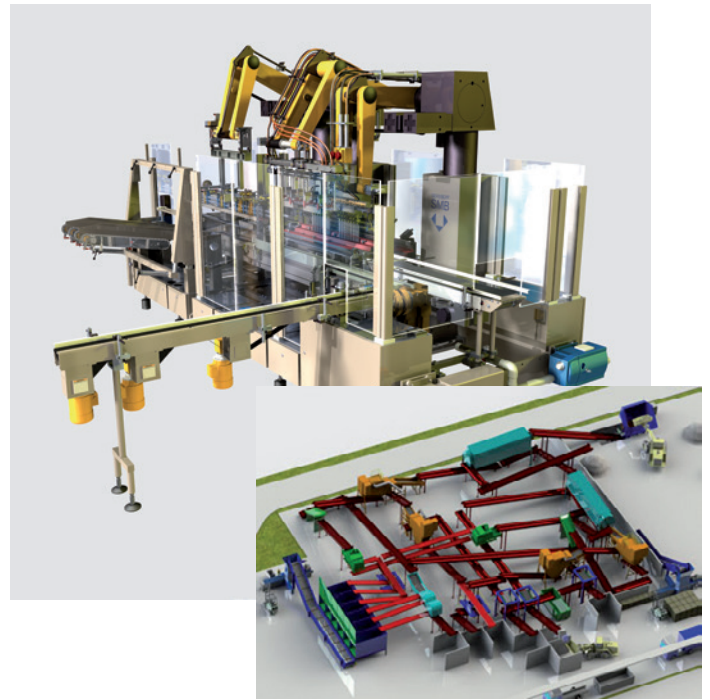
- electrical schematic design data integration from SEE Electrical Expert to SolidWorks 3D models,
- data exchange between SEE Electrical Expert and SolidWorks (components, connectors, terminals, splices and wire list),
- electrical components placement in 3D,
- advanced SolidWorks routing features used for automatically interconnecting electrical components within the 3D model,
- optimal lengths determination for wires, cables and harnesses,
- harness manufacturing documentation (harness flattening in 2D on scale).

### Benefits:

- synchronization between electrical and mechanical designs,
- time saving (avoid entering data twice),
- increased quality (control data consistency).

### Supported industries:

- automotive, railway, aircraft, machinery industries, etc.
- harness manufacturers.



## 3D control panel design

SolidWorks Premium,

SEE Electrical Expert with "3D Panels" module.

### Features:

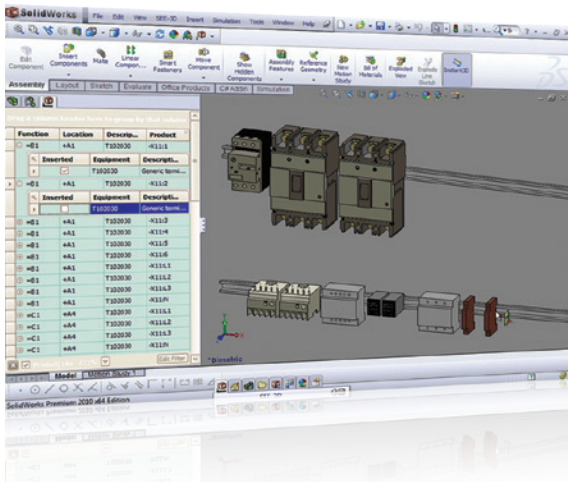
- schematic and 3D panel design integration,
- 3D part placement in SolidWorks of all devices used in SEE Electrical Expert project,
- automatic snapping placement on mounting rail,
- collision control,
- consistency check with schematic diagrams,
- panel manufacturing documentation.

### Benefits:

- no panel mounting fitting errors,
- consistent manufacturing,
- time saving.

### Supported industries:

- machinery, plant process, power industries, etc.
- panel builders.



## Documentation management

SolidWorks Enterprise PDM,

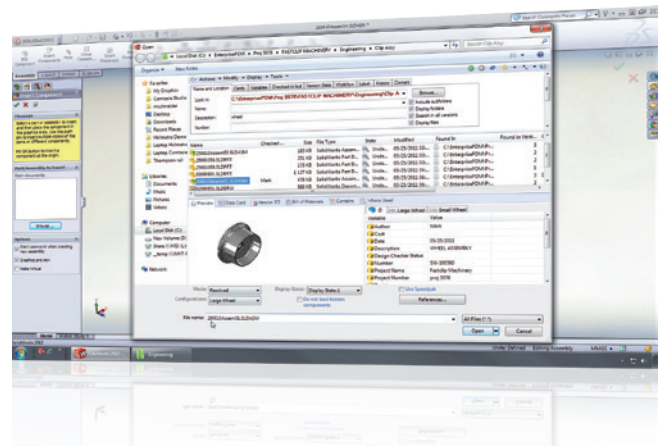
SEE Electrical Expert with "SolidWorks EPDM interface" module.

### Features:

- secured storage and indexing of SEE Electrical Expert documents in EPDM,
- document access control,
- revision management,
- electronic workflow creation.

### Benefits:

- schematic documentation automated publishing,
- design lifecycle control,
- design sharing with mechanical department.



## The IGE+XAO Group

Over 70,000 installed licences - 27 years of experience - 26 locations in 17 countries  
Over 373 employees - Listed on NYSE Euronext since 1997

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