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- Component creation with E3.ComponentCloud



Wer ist Zuken



Founded	1976
Revenue Year ended March 2024	38.466 Mio. JPY (~238 Mio. EUR)
Corporate Headquarters	Yokohama, Japan
European Headquarters	Munich, Germany
North American Headquarters	Westford, Massachusetts
Stock Listing	Tokyo Stock Exchange Prime Market
Employees	~ 1,200
Operational Excellence	Profitable, no debt



Zuken Inc.Worldwide Headquarters
Yokohama, Japan



Zuken GmbHEuropean Headquarters
Munich, Germany



Zuken USA Inc.
North American
Headquarters
Westford, Massachusetts

Industries we serve

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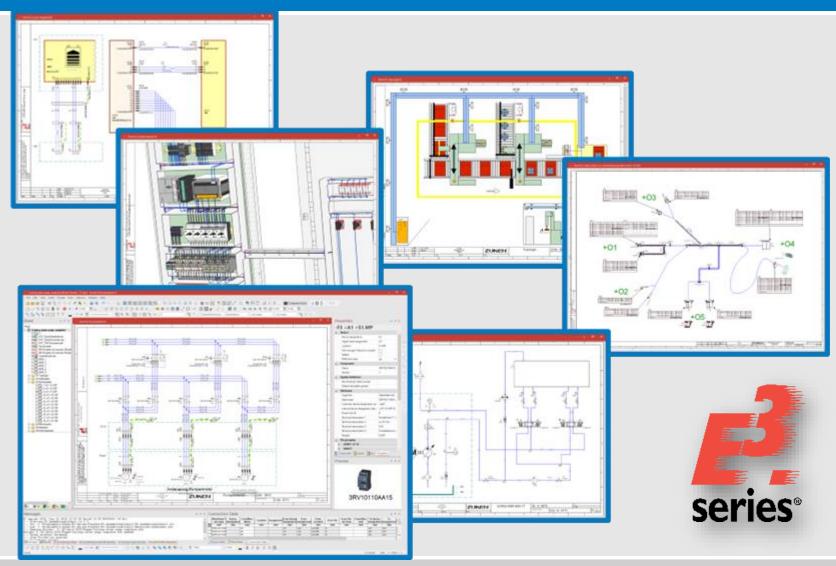


ZUKEN E3.series



Electrical Design:Wherever current flows

- Logical description in circuit diagrams
- Physical description in
 - o switch cabinets
 - Cable harness
- Control of production
- Automation in production



Connecting Electrical Design to Manufacturing



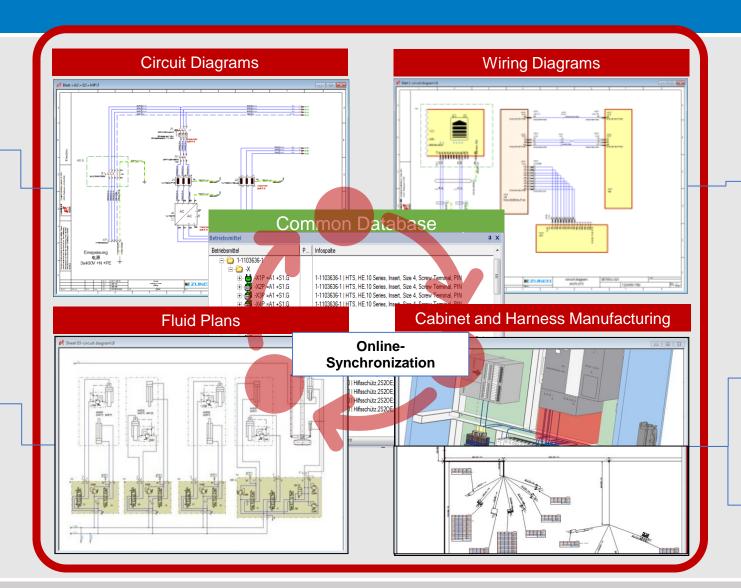
Circuit diagrams

- Schematics and Terminal Plans
- User-defined lists
- Production documentation
- Customer documentation
- Installation and Service

Hydraulics, pneumatics, cooling and lubrication

- Fluid plan
- User-defined lists
- Production documentation
- Customer documentation
- Installation and Service





Additional views of schematics

- single line, bus overviews
 System documentation
- Block diagrams
- Detailed hierarchies
- Schematics and Terminal Plans
- Cable diagram
- shielded, twisted pairs, ...
- User-defined lists

Panel layout and wiring

- 3D panel module
- Automatic routing
- Manufacturing information

Scaled harness drawings

- Special sheet templates
- Automatic functionality
- Online integration to E³.cable

E3.series for Harness Design



E³.cable

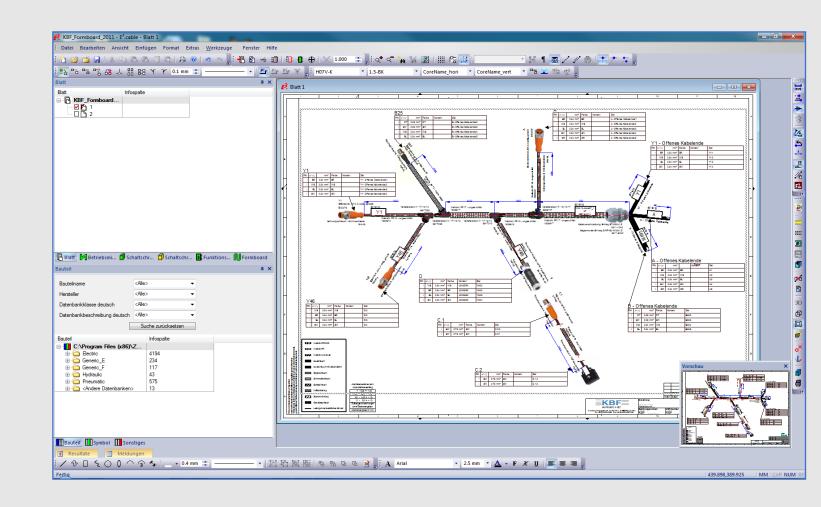
- Definition of cables and cable bundles
- Pin assignment
- Shielding materials and twisting

E³.formboard

- For 1:1 nail board drawings
- Complete, easy to use solution

The layout module for E³.cable

- special sheet formats
- Automatic functions
- Integration into production
 - Labeling
 - Cable assembly



E3.series control panel design

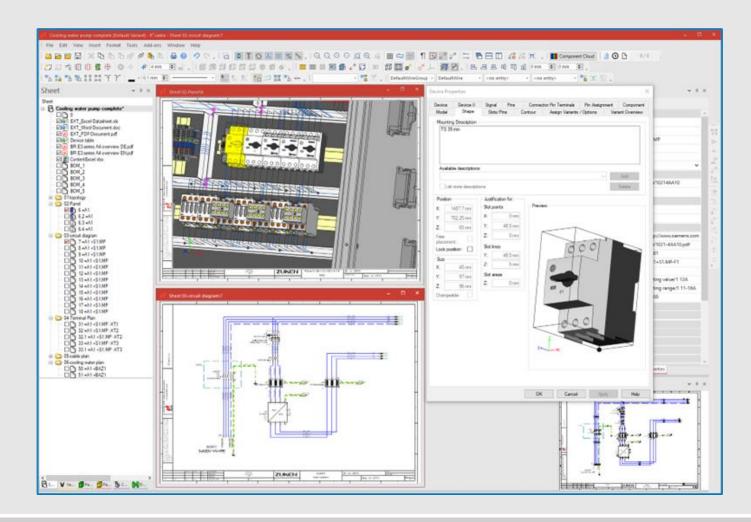


E³.panel

- For control cabinet installation and wiring
- Complete, easy-to-use solution

the Layout modul for E³.series

- 2D / 3D control cabinet design
- Automatic routing
- Integration into production
 - Labeling
 - Cable assembly
 - Drilling and milling
 - Any reports

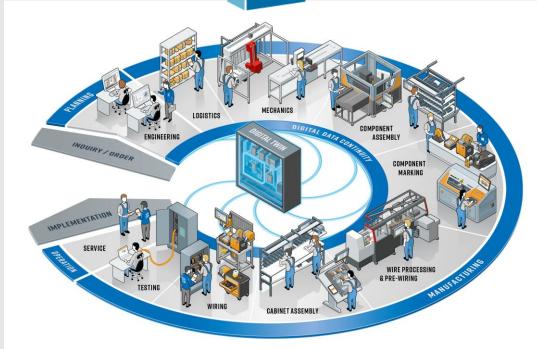


Smart Cabinet Building / nVent

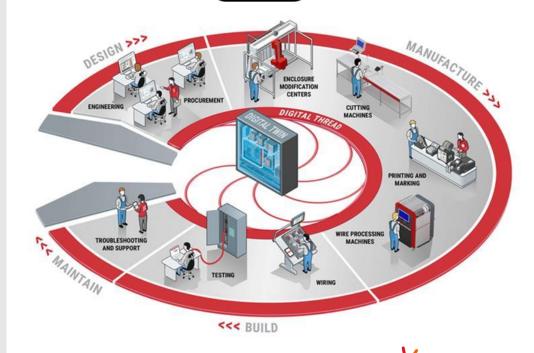
- Production automation in control panel manufactoring















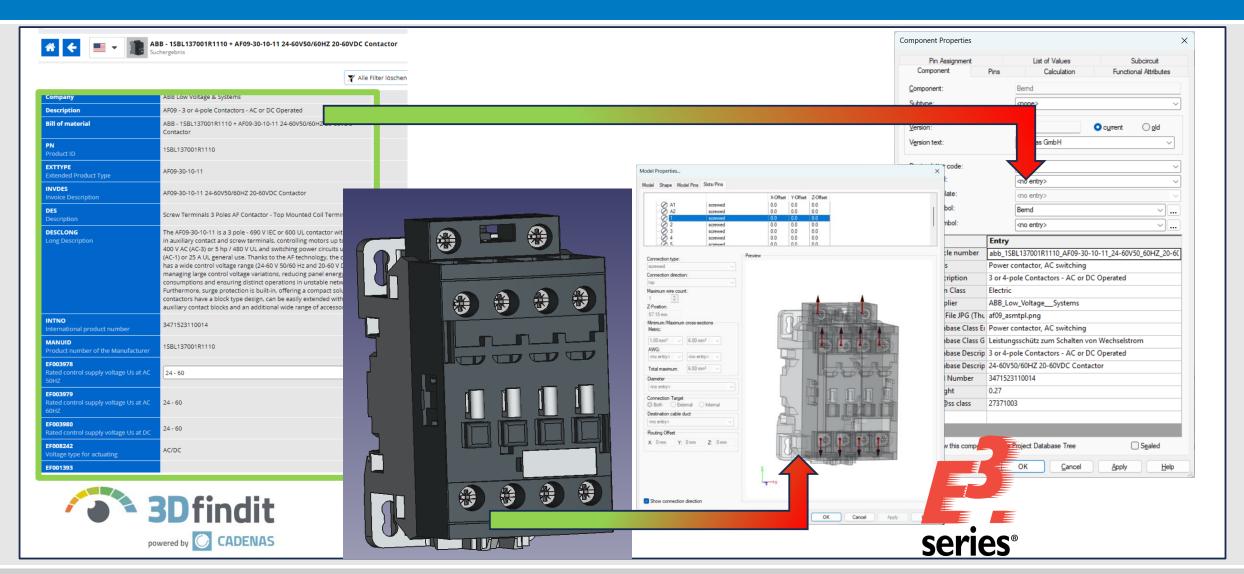






E3 Component Cloud





More and more manufacturers are joining: Electrified components















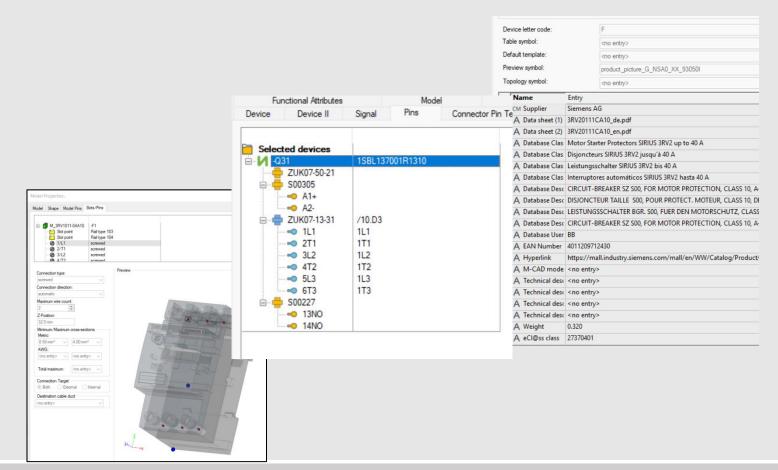
Components for electrical design



In order to create not only circuit diagrams but also production information in electrical design, complete, complete and verified data is required

- Component requires the master data
- Component requires the logical data (symbols and connection points) for circuit diagram
- Component requires the following data: for the control cabinet and the wiring harness
 - Permitted cross-section at the pin
 - Permitted number of connected wires
 - Valid positions in the cabinet / cable harness
 - Drilling information for fastening

o ..

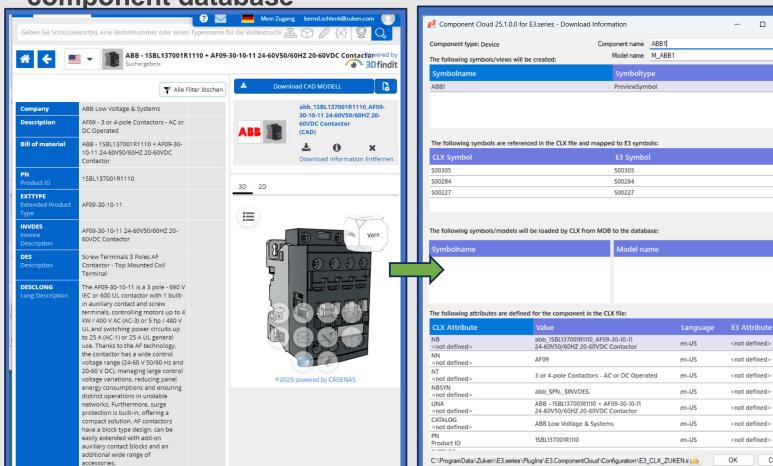


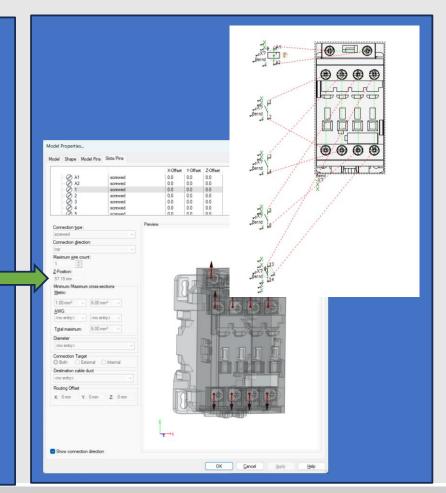
Search for component data and load to E3.series



Search for component in Cadenas (via E3.ComponentCloud) and transfer it to the E3.series

component database

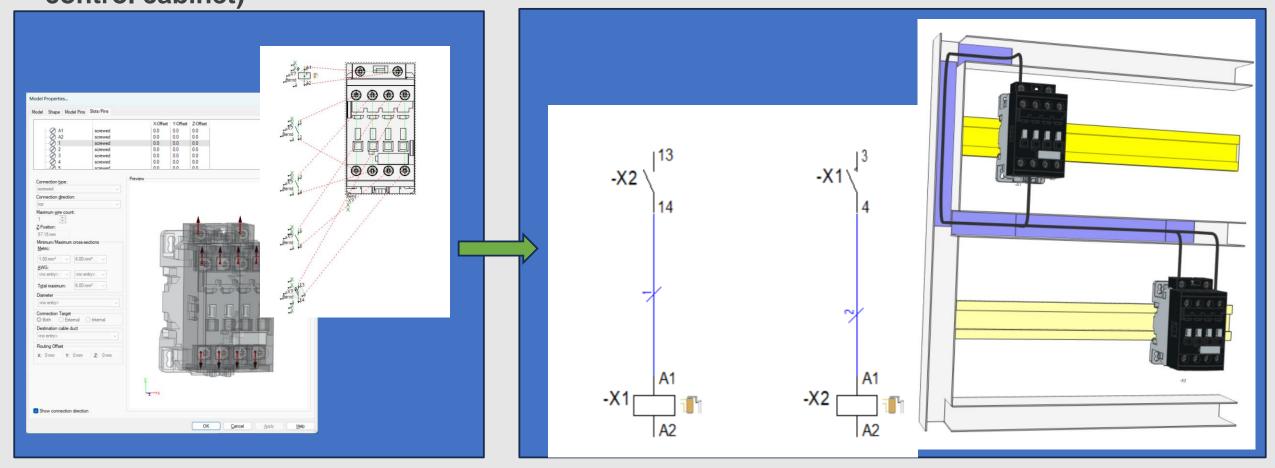




Part from the database into the project

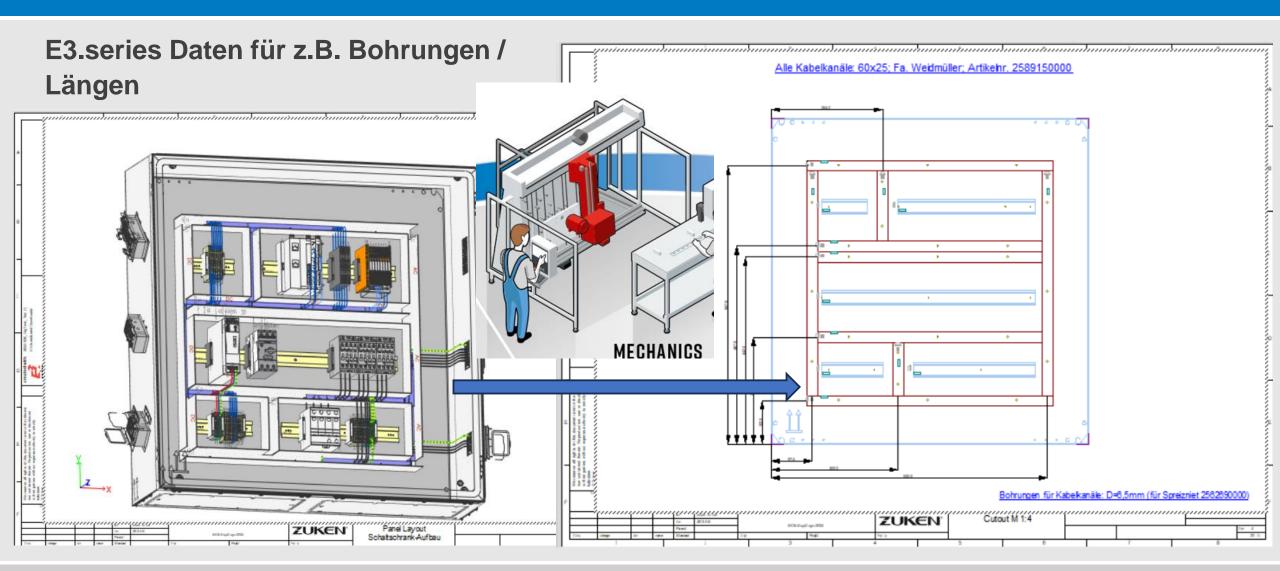


Use component from the E3.series component database in the project (circuit diagram and control cabinet)



Verwendung der Daten in E3.series

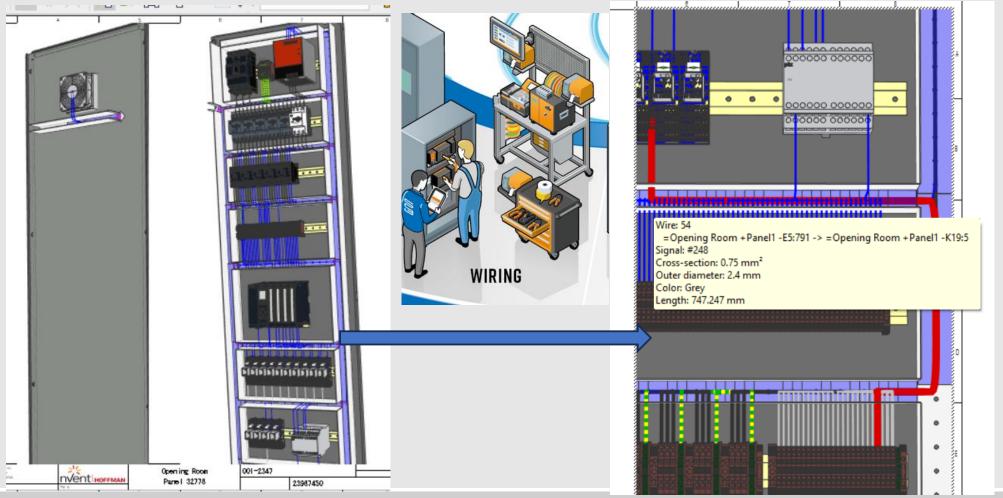




Use of the data in E3.series



3.series Data for e.g. wire production and wiring







Find components quickly and easily and use them directly in E3.series.

Having the option of adapting the transferred components to individual specifications

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