

Electrical design tools at CERN.

Agenda

- IT supported electrical design tools
- Experience and impressions of SEE Electrical Expert and Elecworks in TE-ABT. - Roger Barlow TE/ABT.
- Other input?
- Discussion

IT supported electrical design tools

- Elecworks (former Trace Elec Pro)

- Elecworks is an electrical CAD system to design automation and electrical installation projects, and make supporting documentation.
- 6 floating licenses at CERN
- 7 client installations (EN/CV and TE/ABT)
- Elecworks has been sold to Dassault Systemes and is now being marketed as Solidworks Electrical.

“Elecworks and Solidworks Electrical are exactly the same product and have followed the same pace of development and updating. For elecworks™ users, there will be no change in the work habits.”- Tracesoftware

- See Electrical Expert

- SEE Electrical Expert is used for the design, documentation and management of electrical projects. It supports the entire electrical engineering process, from definition and design, through to manufacturing and maintenance.
- 8 floating licenses at CERN
- 40 unique users last 12 months
 - TE/CRG 15, TE/ABT 6, TE/MSC 5, EN/SMM 6, EN/AE 1, EN/HE 1, BE/ICS 3, BE/RF 1, HSE/RF 1, HSE/CEN 1

IT supported electrical design tools

- AutoCAD Electrical
 - Create, modify, and document electrical controls systems with an industry-specific toolset for electrical design.
 - Educational free licenses → future license cost unclear.
 - 58 unique users last 12 months