

Veteran user of cadett ELSA

Claes Hugosson is a specialist within the field of reviewing and renovating all types of rotary motors with accompanied electrical feed, supply and control at “Electrical Drive Technology” (EDT) in Kungälv, Sweden.

Elektrisk Drivteknik EDT AB in Kungälv is exporting high performance electrical motors, generators and control systems to a large part of the world. The company is specialised in projecting, designing and delivery of all types of rotary drives with associated electrical supply, control and mechanical couplings. The customers are within a wide spectrum – from the process industry and rolling mills to the engineering industry, power stations, test environments and test rigs.

Claes Hugosson uses cadett ELSA to design various test plants with motors, transformers and voltage regulators – projects that can be more or less extensive. Another part of the work is to analyse and look for possible conceivable errors with suggestions for solutions and measures, in particular for rotating machines.



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ELSA

Software for electrical design

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Software for electrical design

SOLO
Embedded CAD Engine

EDT also designs voltage regulators and magnetisation systems for synchronous generators where the company collaborates with another engineering company in the Netherlands.

- An advantage with cadett ELSA is that older projects can serve as a template. That way large parts of the drawing can be reused, says Claes Hugosson. That saves time and I can complete the project faster as I do not have to create something completely new from scratch.

Claes Hugosson says that he usually designs three to four different cabinets at the same time. Here too, he can benefit from being able to reuse certain parts, especially if there are similarities in the drawing and in the wiring.

- When I start a new project, I first look for similar designs that I have made previously. I start by studying the solution in detail to see how we did in the past and to see what could possibly be made even better, Claes Hugosson says and continues:

Then I have to decide if I should start from the previous solution and remodel it, or if I should do a completely new design. Then I draw a cover page with the heading and correct description, i.e. I use a “prototype project” as it’s called in the world of cadett ELSA. When I start a new project, I get asked if I want to copy the files or just the settings.



- I myself work directly with a circuit diagram and at the end a list of tables is generated. Often, I cannot fully utilise the automatic wire list function since many times the layout of the design is completed last. I prefer to follow my own approach when, for example, creating the connections and their numbering, something that installers and maintenance crew appreciate.

- This is also one of the advantages with cadett ELSA, that you can choose your own working method of a project. I'm not referred to having to work in one set way, "the right way". As a user, I appreciate the freedom to choose how the program is used.

EDT's operations include some ABB products, but also other makes. On cadett's website, there are Excel sheets with macros for uploading data into the database from a large number of suppliers. Claes says he would like to have ready-to-use product data from even more suppliers/makes, with the possibility to load the database easily, as it saves a lot of time within the design work.

Claes feels that cadett has a good support. They always have time for me and because they are in Sweden, it becomes easier to get all the help that may be needed, Claes Hugosson explains.

cadett's business concept is to develop and sell the best electrical design automation packages (EDA) in the world. cadett was founded 1979.

Our main product - cadett ELSA - has been on the market since 1985. cadett ELSA is marketleading within high-end solutions on EDA on the Nordic market since many years. As one of the oldest suppliers of CAD for electrical design, cadett has a unique competence within the field, to the benefit of current and future customers.

Our product range is entirely focused on solutions for schedule design based on platforms from Autodesk.



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