



CADMATIC Electrical for Ship Design

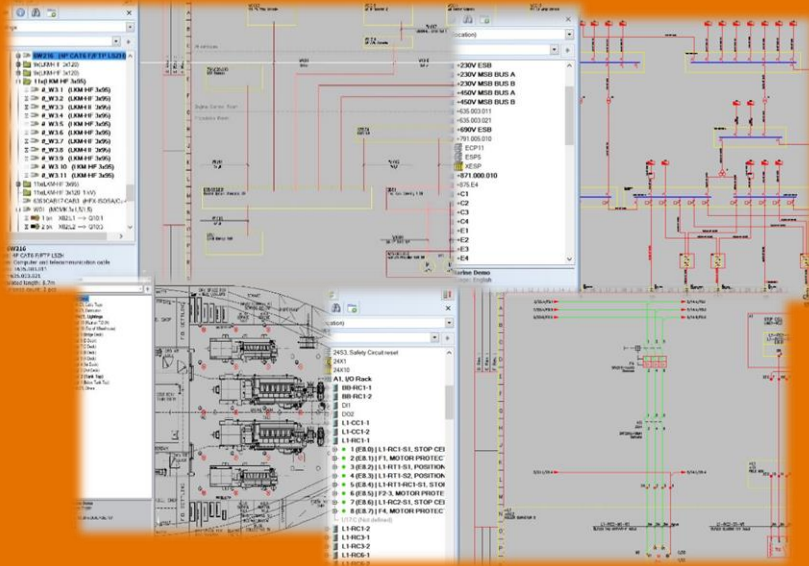
Software solutions

Feel Empowered

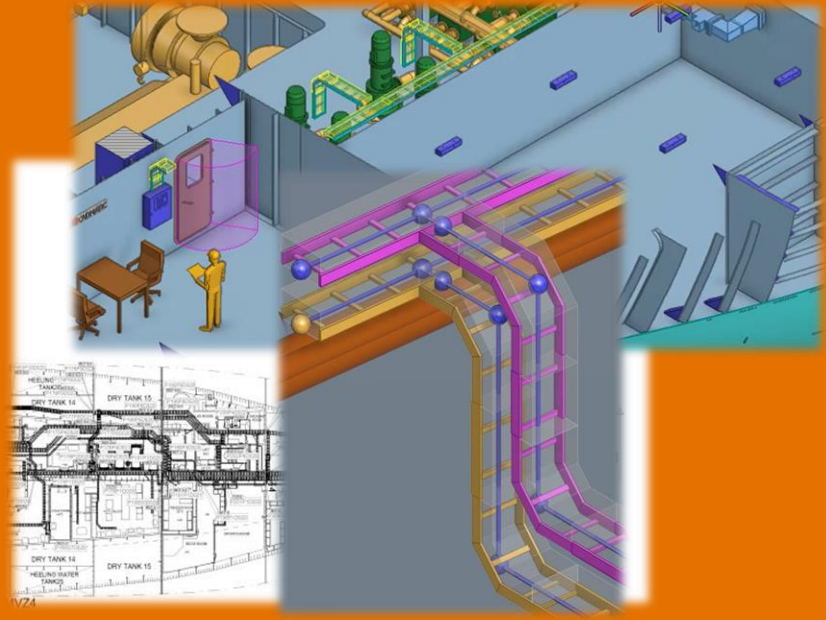
 **CADMATIC**

Electrical and Automation Engineering Connected with 3D Modelling

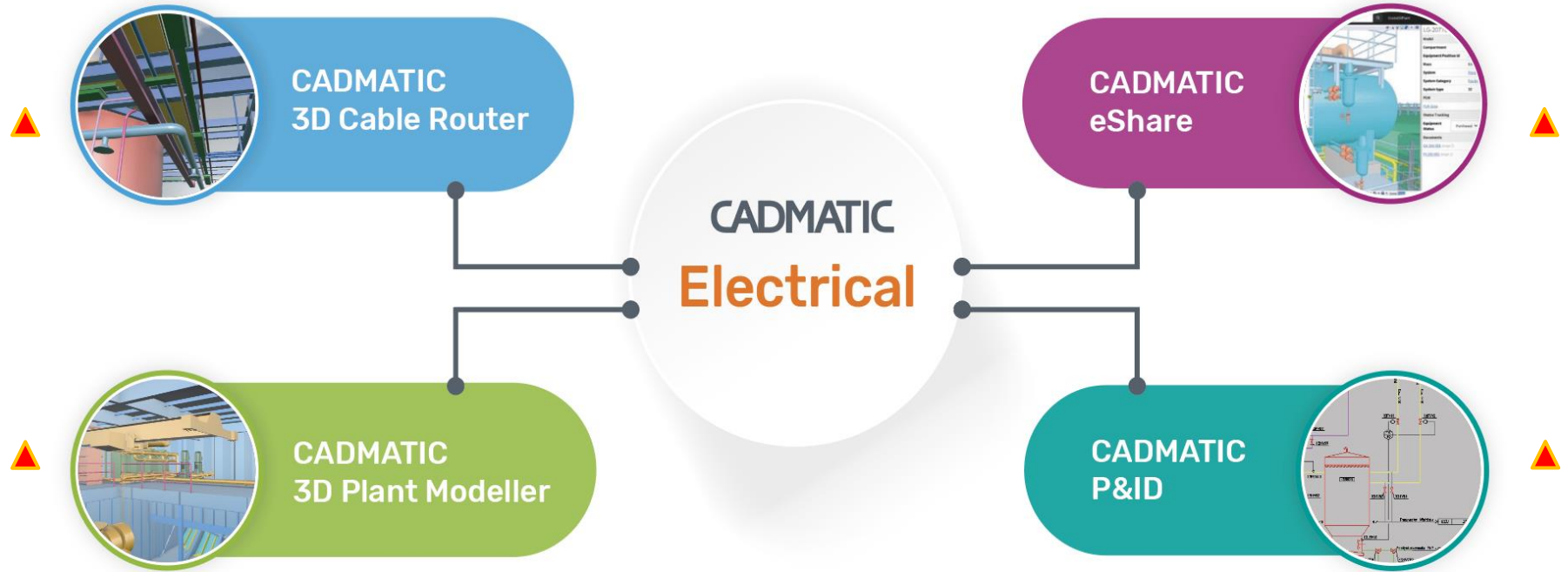
CADMATIC Electrical



3D Cable Design (Cable Router)



Integrations with other CADMATIC Design Applications



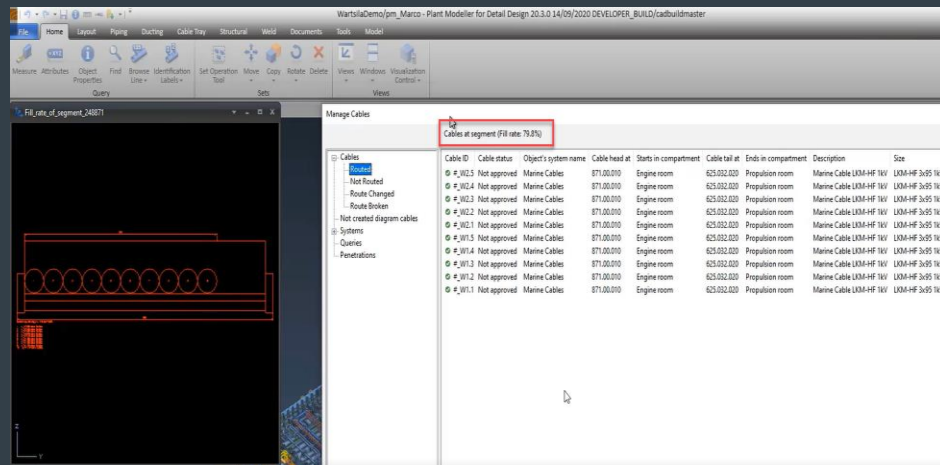
Key Benefits of CADMATIC Electrical

- Covers all electrical-, instrumentation- and automation documentation
- Connected with 3D modelling
- Centralized data management, everything up-to-date
- Support to different standards, over 10 000 different symbols (IEC, ANSI, GB/T)
- Re-use diagrams intelligently
- Process flexibility
- Full dwg compatibility



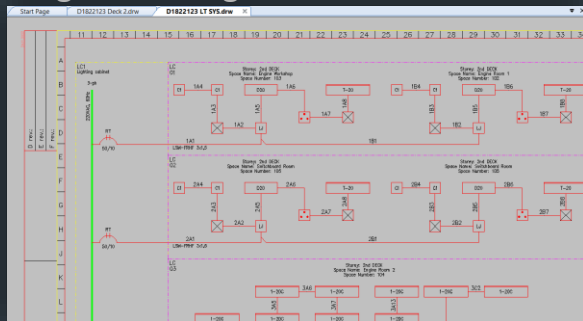
Cable Router Integration with Electrical

- Route cables connected in Electrical
- Dataflow between systems
- Example:
 - Export cables to Cable router
 - Generate cables to 3D model
 - Route cables
 - Lengths, routes, fill rates etc. calculated
 - Return cables to Electrical
 - Update cable report



Document Types

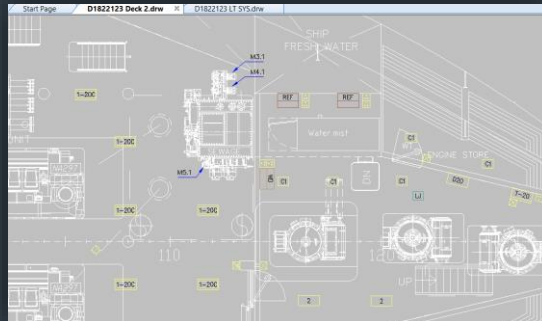
Single-line diagrams



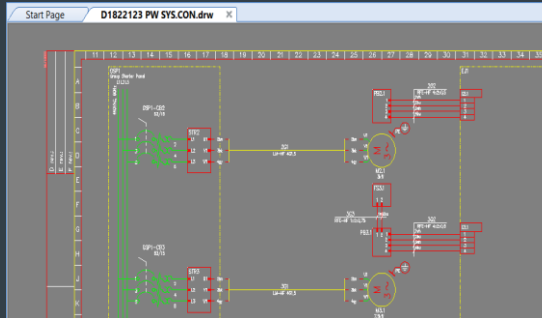
Automatic reporting (pdf, excel)

Category ID	Type	From Source	To Source	Length	From To
140	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	0m	FR120 to FR128
142	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	2.4m	FR128 to FR129
143	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	3.4m	FR129 to FR128
144	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	3.7m	FR128 to FR132
145	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	3.4m	FR128 to FR121
146	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	2.7m	FR128 to FR126
147	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Workshop (160)	10m	FR128 to FR133
148	LSM FRFRF 3x1.5	Engine Shop (161)	Engine Workshop (160)	9.3m	FR133 to FR127
149	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Shop (160)	FR128 to FR130	
182	LSM FRFRF 3x1.5	Engine Room (150)	Engine Workshop (160)	8.9m	FR132 to FR120
183	LSM FRFRF 3x1.5	Engine Workshop (160)	Engine Shop (161)	10.8m	FR120 to FR136
184	LSM FRFRF 3x1.5	Engine Shop (150)	Engine Shop (160)	2.8m	FR136 to FR128
185	LSM FRFRF 3x1.5	Engine Room (150)	Engine Room (160)	4m	FR132 to FR134
186	LSM FRFRF 3x1.5	Engine Room (160)	Engine Room (160)	5.1m	FR134 to FR134
187	LSM FRFRF 3x1.5	Engine Room (160)	Engine Room (160)	1.7m	FR134 to FR134

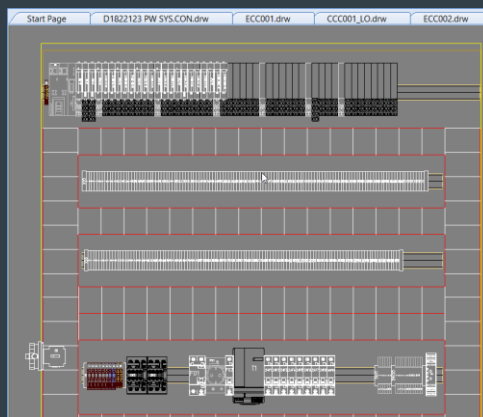
Arrangement drawings



Multi-line drawings (wiring diagrams)

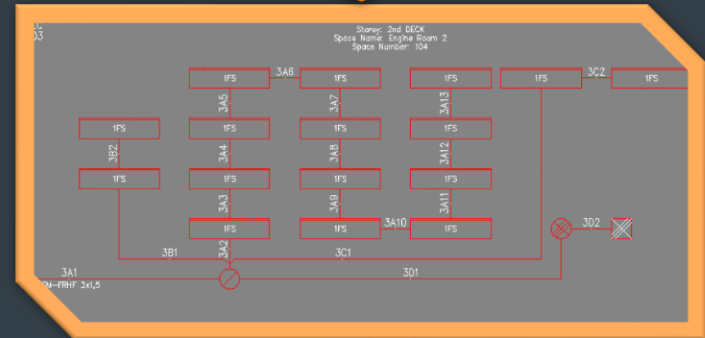
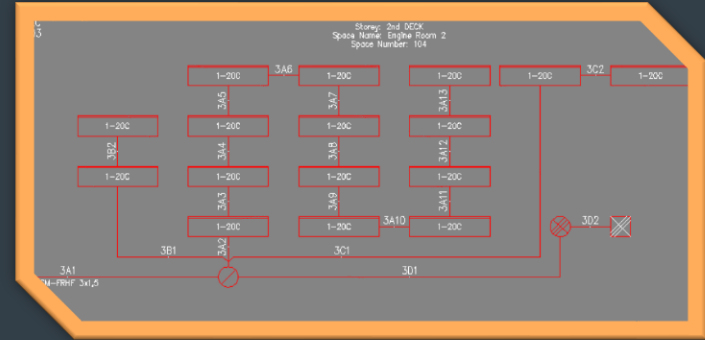
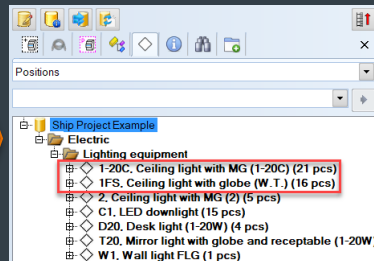
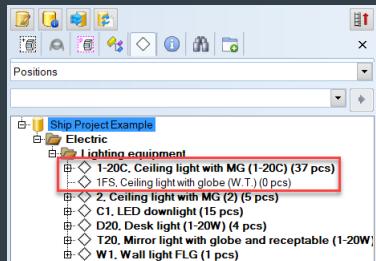


Cabinet layout



Database as Management Tool

- Database is great tool to view, manage and edit project data
- Example to change products:
 - Select light fixtures to edit
 - Select new product for equipment
 - Synchronize drawing:
 - All symbols update
 - Product amounts change



THANK YOU!

Feel Empowered

