



Feel Empowered

**Release Highlight
2025H1 & 2025H2
Future 2026?**

Electrical

Image courtesy of
Meyer Turku

コンテンツ

- 電気ネットワーク
- 3Dケーブルルーターへのケーブルウェイの
エクスポート
- 階境界とタイプ定義
- Wave統合
- 26H1と今後のロードマップ



電気ネットワークの改善

- 接続されているすべてのデバイスにはフィーダーとキャビネットの情報が含まれています
- 自動描画機能を使用して、データベース内の接続に基づいて SL 図面を作成します。

The image displays a software interface for managing electrical networks. At the top, a grid shows columns 11-27 and rows A-F. The main diagram shows a network of components: a central busbar (BB6) connected to various devices (H80, H82, H81, H83, H78, H79) via wires (W45, W41, W46, W44, W42). A 'Draw network' dialog box is open on the right, with 'Feeder' selected as '12'. The dialog includes settings for direction, spacing, and device/cable marking options. Below the main diagram, a detailed view of a linear light fixture (01DB1) is shown, with a green arrow pointing to it from a circled '3' in the main diagram. The fixture is highlighted with a red box. A detailed information panel for the fixture is shown below:

Linear light fixture, 2x1550 mm: H1	
Full ID:	-H1
Device type:	Lighting equipment
Product model:	LED-luminaire IP23 1550 mm
Space:	SHOP (2)
System:	S251, Indoor lighting system
Elevation:	2650
Occurrence count:	1 pcs
Connected distribution board:	+01DB1
Connected feeder:	3
Symbol tag:	LE1
Symbol type:	Lighting equipment (Symbol scale factor 1, Linear light fixture)
Additional information:	
Default cable item:	LS04311

電気ネットワークの改善

The screenshot displays the CADMATIC 2025H1 Electrical software interface. The main workspace shows a detailed electrical network diagram for a ship's engine room, with various components and wiring paths. The diagram is divided into sections labeled FR10, FR20, FR30, FR40, and FR50. The interface includes a top menu bar with options like File, Home, Annotate, Tools, Electrical, Single-line, Layout, Schematics, Cabinet Layout, and Integrations. Below the menu is a ribbon with various tool icons for drawing and editing. On the left, there is a 'Product models' tree showing a hierarchy of components such as Electric, Audio, Converter, Data, Electrical device, Fire alarm, Header, Junction box, Lighting equipment, Motor, Other, Panel, Protective device, Signalling, Socket outlet, and Switch. On the right, there is a 'Documents' tree showing a list of drawing files, including D1.drw through D11.drw, Drawing 1.drw, Cabinet Layout, CCS, Multi-line, Multi-line diagram, Report, Single-line, and various 3000.drw files. The bottom status bar shows the project name 'Marine Demo', design language 'English', and target data information. The CADMATIC logo is visible in the bottom left corner.

MDL-3Dケーブルルーターへのエクスポート

- Electrical を使用して基本設計を開始し、すべての重要な部品を所定の位置に作成します。
- MDLエクスポートを使用してケーブルトレイを3Dケーブルルーターにインポートします。
- 3Dケーブルルーターで設計されたとおりにインポートしたケーブルトレイを使用します。

MDL-3Dケーブルルーターへのエクスポート

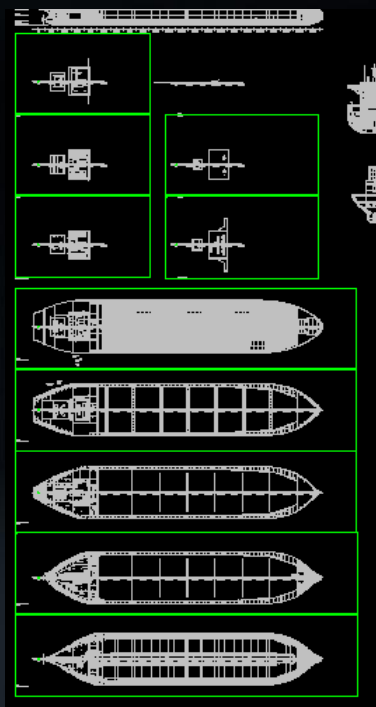
The screenshot shows the CADMATIC software interface for a 3D cable routing project. The main window displays a 3D model of a ship's hull structure with various cable trays and conduits highlighted in different colors (blue, green, yellow, orange). The interface includes a menu bar at the top with options like File, Home, Layout, Piping, Ducting, Cabling, Structural, Weld, Documents, Tools, and Model. Below the menu bar is a ribbon with icons for various tools such as Route, Cut, Join, Move, Delete, Size, Line, Specification, Cable Space, Support, Cable List, Cable View, Manager, Compare, and Cable Tray Supports. On the left side, there is a Model Tree panel with a search bar and a list of objects, including various components like 001, 020, 021, 093_Sounding, 177_Cargo, 721-PWC, 721-PWC-EQ, 722-SWC, 722-SWC-EQ, 723, AC_inlet, AC_Outlet, AE_EQU_COOL, AE_FW_COOL, AE_SW_COOL, AUX_Engines, Air, BOOSTER_UNITS, BUNKERING_STATIONS, Ballast_water, Bilge, Block, CABLES_CONTROL, CABLES_POWER, CABLEWAYS_CONTROL, CABLEWAYS_GENERAL, CABLEWAYS_MULTIPURPOSE, CABLEWAYS_PENETRATIONS, CABLEWAYS_PIPES, CABLEWAYS_POWER, CABLEWAYS_SERVICESPACE, CABLEWAYS_VIRTUAL, Cabins, CableRouting, Cadmatic_Gray, Cadmatic_Orange, Cadmatic_White, Compartment, Compressed_air, DAY_TANKS, DOORS, DRAIN_TANKS, Default, ELECTRICAL_DEVICES, ELECTRICAL_EQUIPMENTS, EQUIPMENTS, Equipments, Exhaust, FUEL_OIL_INDICATOR_FILTERS, FURNITURE, and Nav_rs. On the right side, there is a Properties panel showing basic information, 3D Space details, Object information, System information, Reference information, and Containment information. At the bottom, a Messages window displays the following text:

```
Messages
- MUL loading from 'C:\demos\marine\anker demo_cuz3h1\MUL_C33.mai' completed.
Objects loaded from MDL:
Cable Trays: 9
10 warnings reported during load.

Cable Tray>Delete
>File>_Save
Summary of COS actions: 2 new, 0 modified and 0 deleted objects.
DB saved. Saving views
```

階境界

- 複数の階を使用する 1 つの GA.drw。
- Pgp と PgDwn を使用して階を閲覧する
- 1つの図面で階間の配線を描く



タイプ定義

- ユーザー固有の型定義を作成する
- IDフォーマット
- #-IDはもう過去のもの

Standard databases | Shared databases | Other project

Global filter

Drag a column header and drop it here to group by that column

Object t	Type descript	IFC t	IFC type w	IFC type v	Requirement	ID for
Device	Access control	IfcElectr	NOTDEFINED	IFC 2X3		AC[n]
Device	Antenna	IfcElectr	NOTDEFINED	IFC 2X3		AN[n]
Device	Appliance box	IfcElectr	NOTDEFINED	IFC 2X3		DB[n]
Device	Audio	IfcElectr	NOTDEFINED	IFC 2X3		AU[n]
Device	Battery	IfcElectr	BATTERY	IFC 2X3		G[n]
Device	Bell (alarm)	IfcAlarr	BELL	IFC 2X3		BE[n]
Device	Box	IfcElectr	NOTDEFINED	IFC 2X3		BX[n]
Location	Box	IfcElectr	NOTDEFINED	IFC 2X3		
Device	Break Glass Buttn	IfcAlarr	BREAKGLASSI	IFC 2X3		BCB[n]

Quantity: 659

Open... Copy to shared... Add to project Update selected

Package

Project type definition | Default project type definitions

Drag a column header and drop it here to group by that column

Object t	Type descript	IFC type	IFC type w	IFC type v	Requirement	Loc	ID for
Device	Panel	IfcElectricApplianceTypeEnum	NOTDEFINED	IFC 2X3			PAN[n]
Device	Battery	IfcElectricFlowStorageDeviceTypeEnum	BATTERY	IFC 2X3			G[n]
Location	Box	IfcElectricApplianceTypeEnum	NOTDEFINED	IFC 2X3			

Quantity: 3

New... Edit... Remove from project Copy to defaults Close

階境界とタイプ定義

The screenshot displays the CADMATIC 2025H2 Electrical software interface. The main workspace shows a top-down view of a ship's deck layout with various electrical symbols and components highlighted in green. The interface includes a ribbon menu with tabs for File, Home, Annotate, Tools, Electrical, Single-line, Layout, Schematics, and Cabinet Layout. The ribbon contains numerous tool icons for tasks such as Cabinet Management, Feeder, Draw, Edit, Symbol functions, Size data, Rises, Cable, Elevation, Leader, Cabling, Address, Device, Delete, Positioning, Additional info, Boundaries, List functions, I/O reference, Auxiliary functions, Express Tools, 3D functions, Export to IFC, 3D view, Insert, Drawing sheet, and Fill.

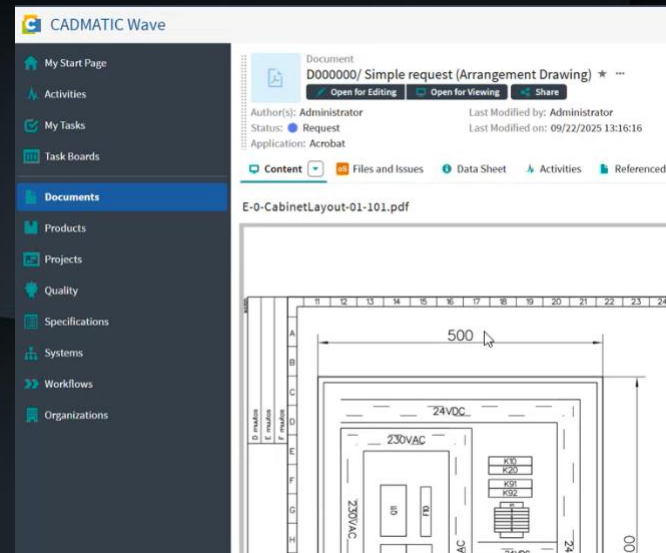
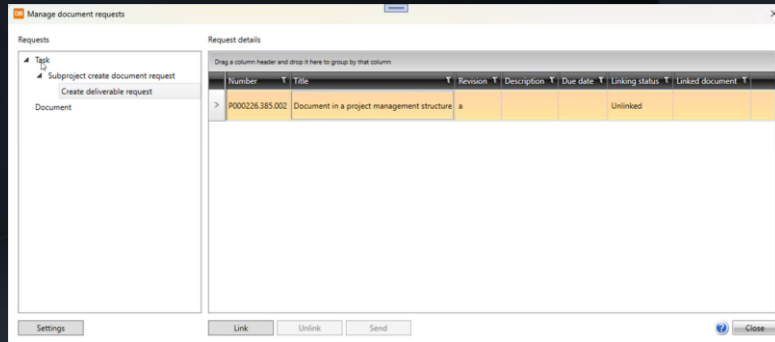
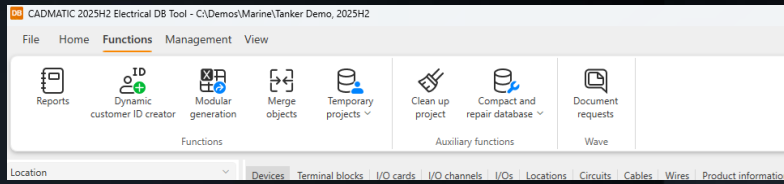
On the left side, there is a 'Stores and spaces' panel and a project tree for 'Marine Demo'. The tree shows a hierarchy starting with 'Tanker', followed by '11 (Mast)', '10 (T.O.W)', '9 (Bridge)', '8', '7', '6', '5', '4', '3', '2', and '1'. Below the tree, project information is displayed: 'Project: Marine Demo', 'Design language: English', 'Target data 1: Electrical', 'Target data 2: Tanker Demo 178m', 'Target data 3: Hull nr. 202', 'Target data 4:', 'Target data 5:', and 'Target data 6:'.

On the right side, there is a 'Documents' panel showing a list of files under 'Marine Demo', including 'Arrangement' (D1.drw to D11.drw), 'GA_FIRE.drw (FIRE)', 'Cabinet layout', 'COS', 'Multi-line', 'Multi-line diagram', 'Report', and 'Single line'. Below this panel, the same project information as on the left is repeated.

The status bar at the bottom of the window shows 'Ready', 'Model', and system information: '649855.78, 291611.7' and '©:547638.96, -40049.46'.

ウェーブインテグレーション 25H2

- Cadmatic Waveドキュメント管理ソリューションとの電気統合



26H1と今後のロードマップ

- ワークスペースのアップグレード
- Wave PLM 導入
- ETAP 統合
- 自動配線
- ANSI SLD シンボル
- CAD レポート
- AI 導入
- 通知
- 電気配線から 3D ケーブルルーターまでのケーブルタイプ定義