
CADMATIC
Feel Empowered
Selected highlights
2025 – CADMATIC HULL
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Senior Application Specialist
Image courtesy of
Meyer Turku

2025H1のハイライト

- ジャンボパネル機能
- Outfittingでの断熱材
- Hull Viewer上での外板定義
- PS座標の反転
- 船殻部材の一品データへの艤装品のマーキン線出力
- WBD Sketches機能の改良
- レポート機能の改良
- CADMATIC AIによるBracketタイプファイル作成

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- **ジャンボパネル機能**
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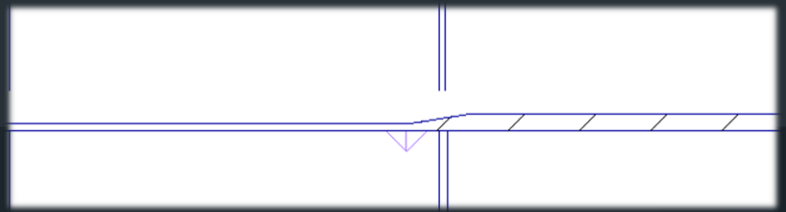
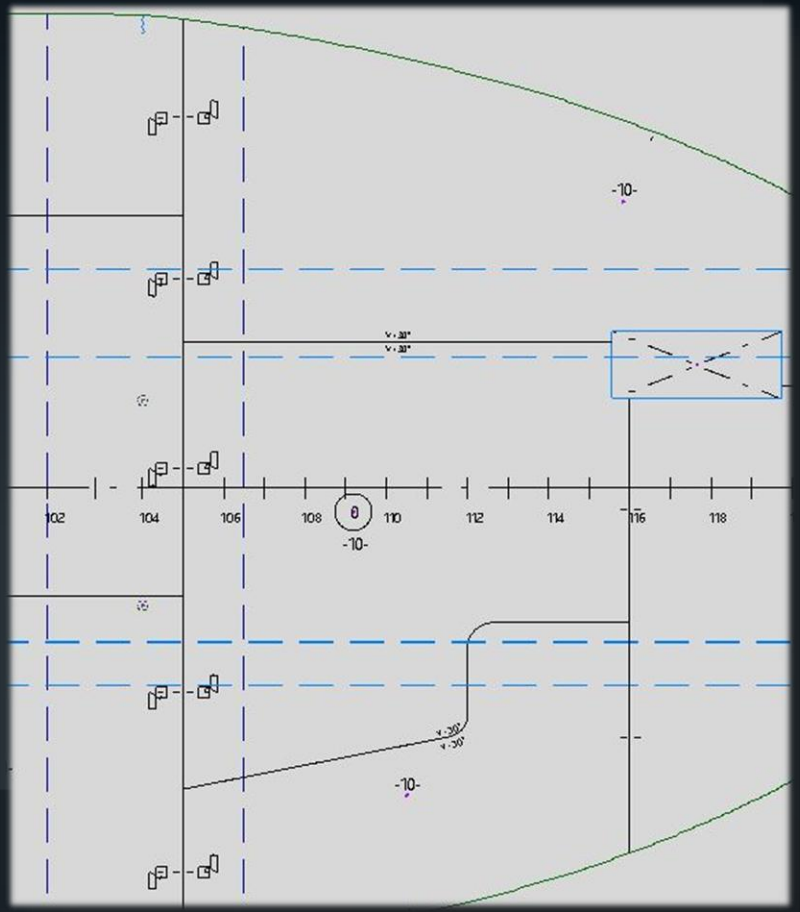
ジャンボパネル機能

- Less relations
  （リレーション定義を減らすことができる）
- Better consistency of relations
  （リレーションの一貫性の向上）
- Bevel transitions can be visualised
  （開先のテーパーを視覚化できる）
- Improved production information
  （生産データの改良）





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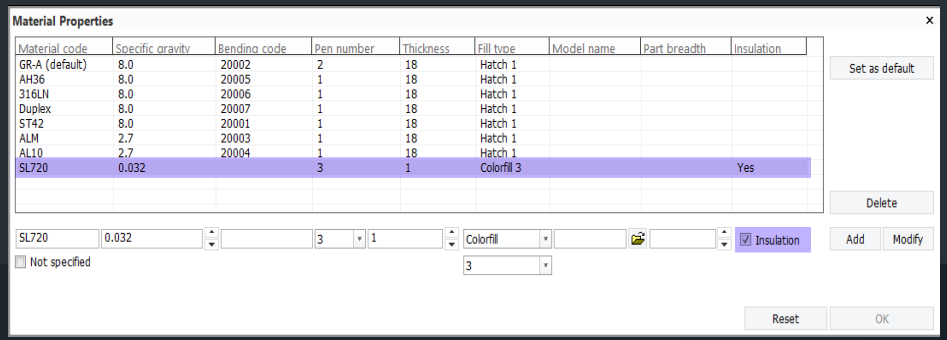
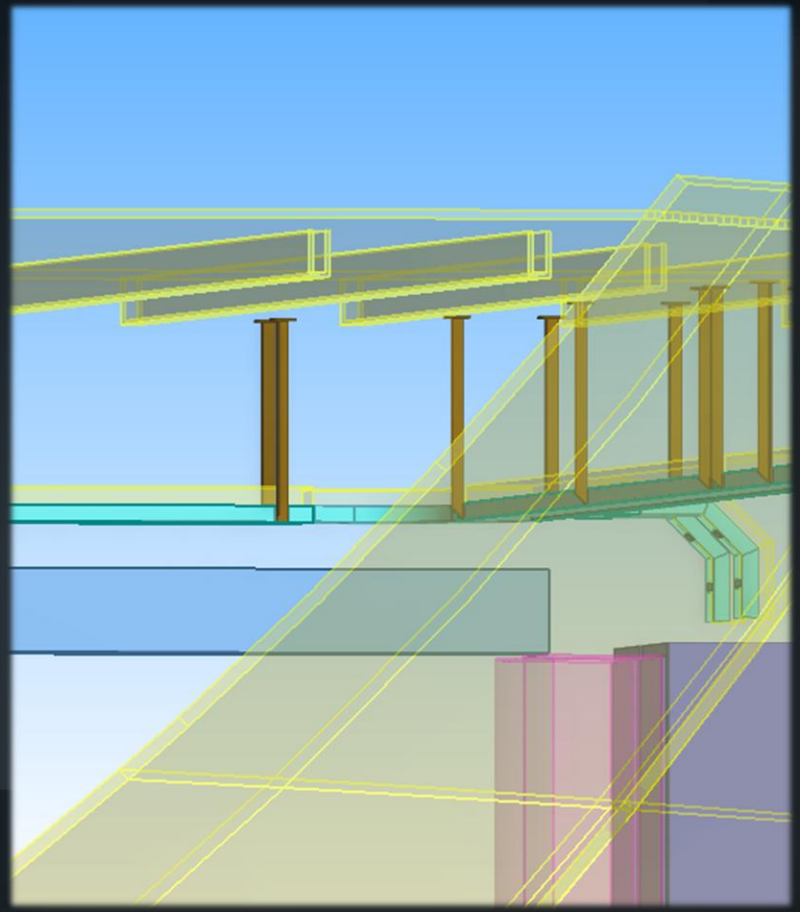
Outfittingでの断熱材

- Place insulation material in Hull
  （Hullで断熱材用の材質を使ってモデルを定義）
- Visualization of insulation in Outfitting
  （Outfitting側でHullで定義したモデルを表示）
- Combine this information in reports
  （断熱材の情報をレポートへ統合）





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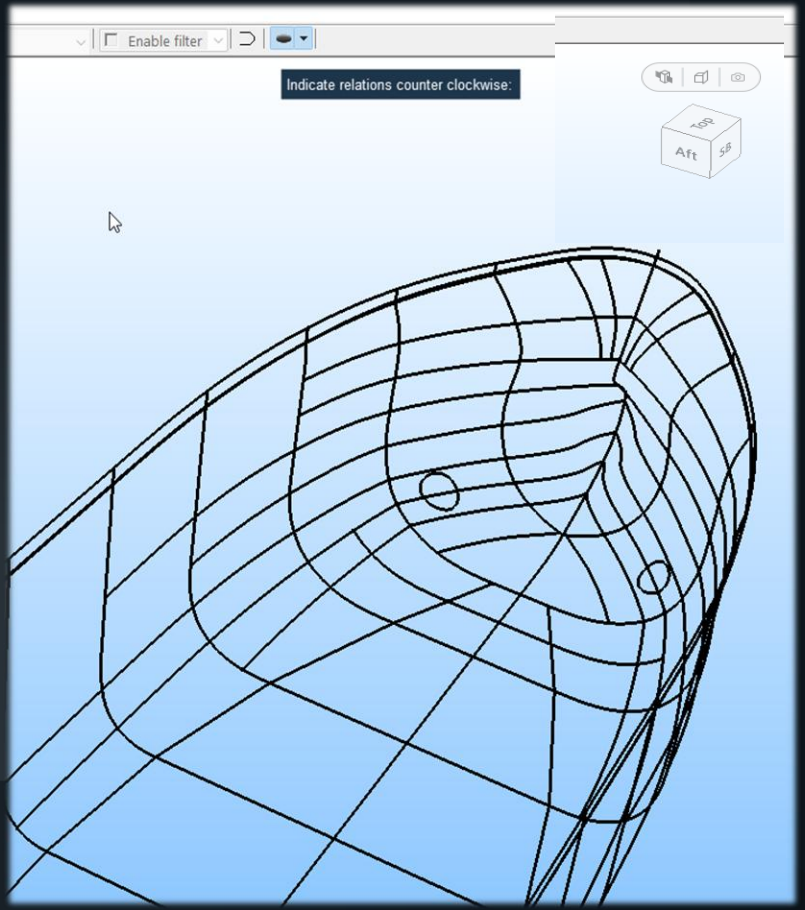
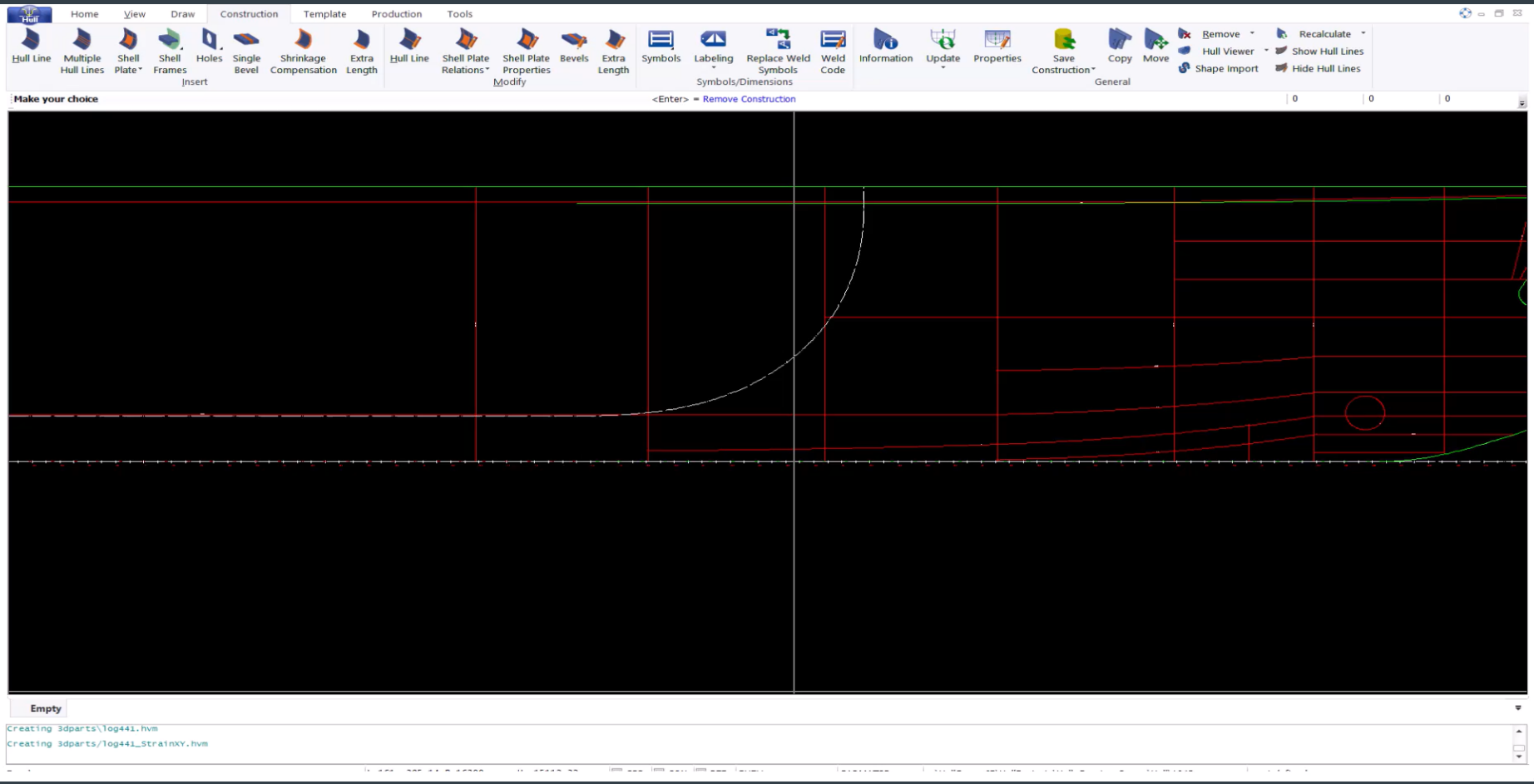
Hull Viewer上での外板定義

- Modern navigation in Hull Viewer
  （Hull Viewerにおける現代的なナビゲーション）
- Model shell plates in 3D
  （外板を3Dでモデル化する）
- 2D and 3D integration
  （2Dと3Dを統合）
- Ability to use a mix of hull viewer and 3D contek to create the shell plates.
  （Hull Viewerと3D−Contekを組み合わせた外板定義）

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View
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Construction
Template
Production
Tools
Hull Line
Multiple Hull Lines
Shell Plate
Shell Frames
Holes
Single Bevel
Shrinkage Compensation
Extra Length
Insert
Hull Line
Shell Plate Relations
Shell Plate Properties
Bevels
Extra Length
Modify
Symbols
Labeling
Replace Weld Symbols
Weld Code
Symbols/Dimensions
Information
Update
Properties
Save Construction
Copy
Move
Remove
Hull Viewer
Shape Import
Recalculate
Show Hull Lines
Hide Hull Lines
General
Make your choice
<Enter> = Remove Construction
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Empty
Creating 3dparts\log441.hvm
Creating 3dparts/log441_StrainXY.hvm

2025H1のハイライト

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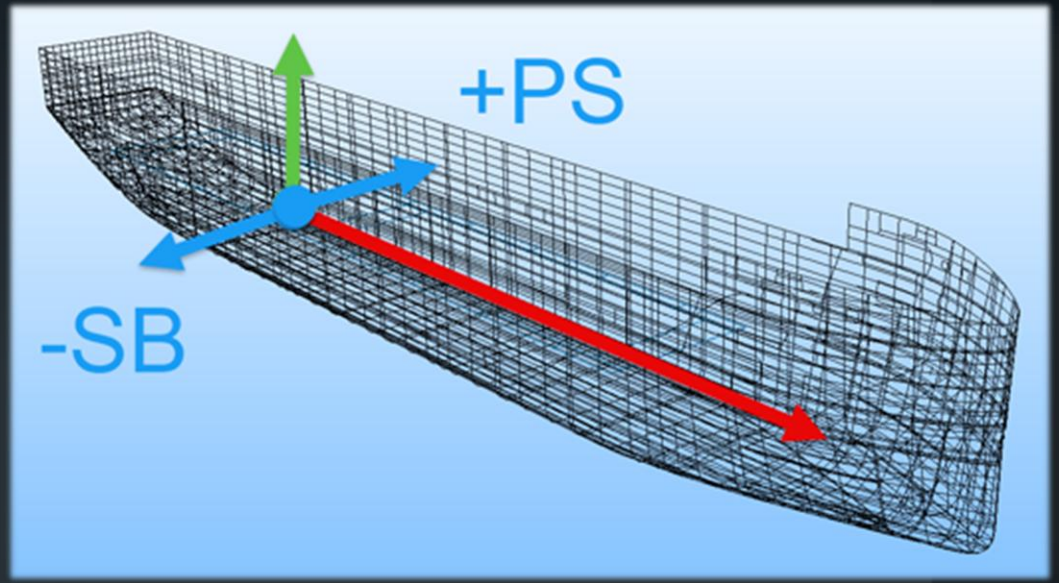
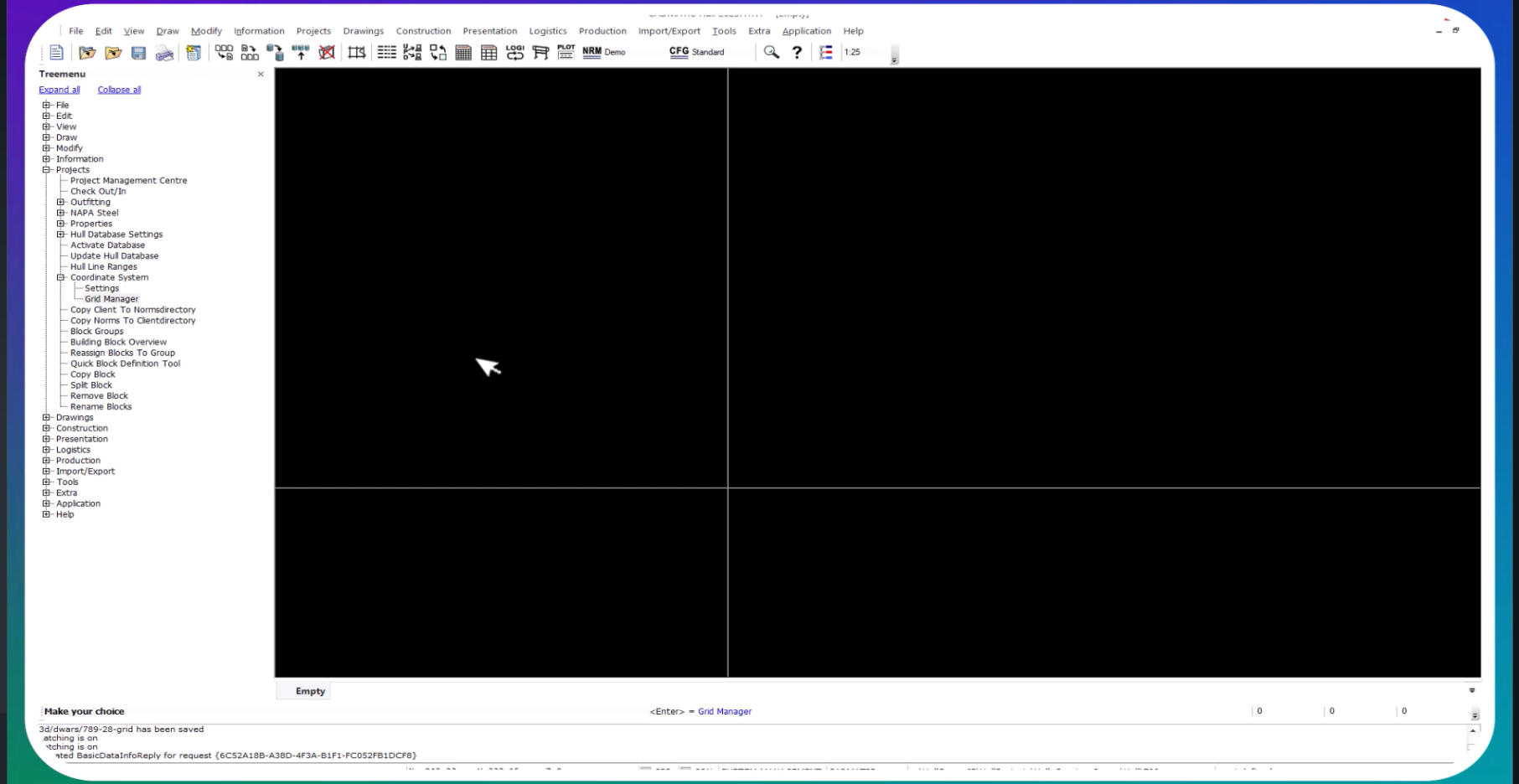
PS座標の反転

- Ability to reflect any grid direction
  （任意のグリッド方向を反映する機能）
- Values based on default grids per block
  （ブロック単位で設定するデフォルトグリッドに基づいて座標値が表示される）




File Edit View Draw Modify Information Projects Drawings Construction Presentation Logistics Production Import/Export Tools Extra Application Help
NRM Demo
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Modify
Information
Projects
Project Management Centre
Check Out/In
Outfitting
NAPA Steel
Properties
Hull Database Settings
Activate Database
Update Hull Database
Hull Line Ranges
Coordinate System
Settings
Grid Manager
Copy Client To Normsdirectory
Copy Norms To Clientdirectory
Block Groups
Building Block Overview
Reassign Blocks To Group
Quick Block Definition Tool
Copy Block
Split Block
Remove Block
Rename Blocks
Drawings
Construction
Presentation
Logistics
Production
Import/Export
Tools
Extra
Application
Help
Empty
Make your choice
<Enter> = Grid Manager
3d/dwars/789-28-grid has been saved

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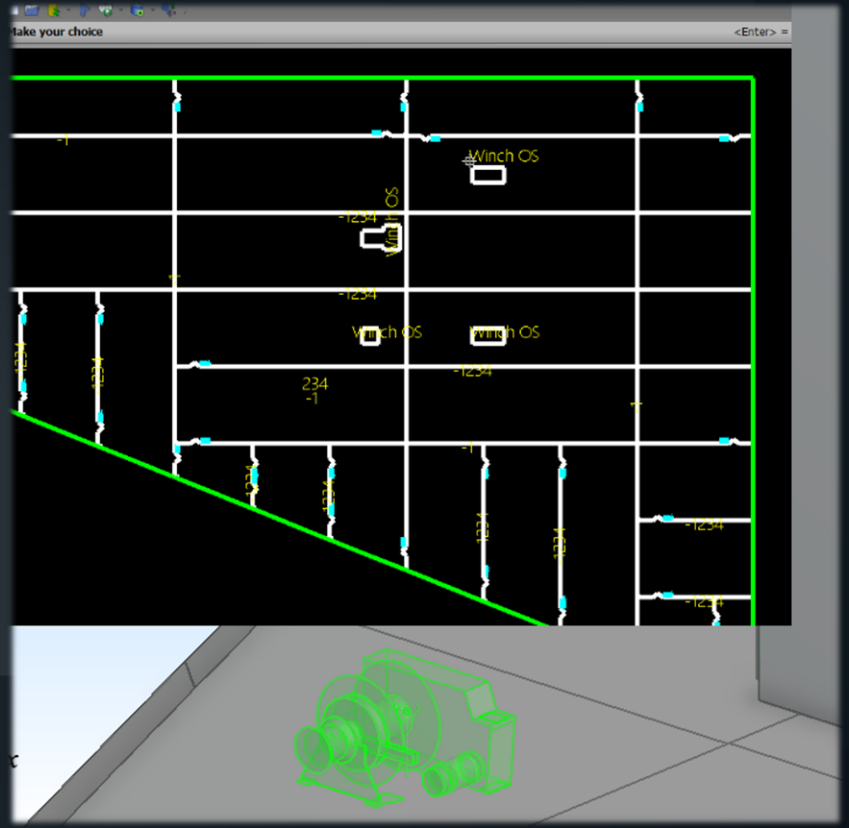
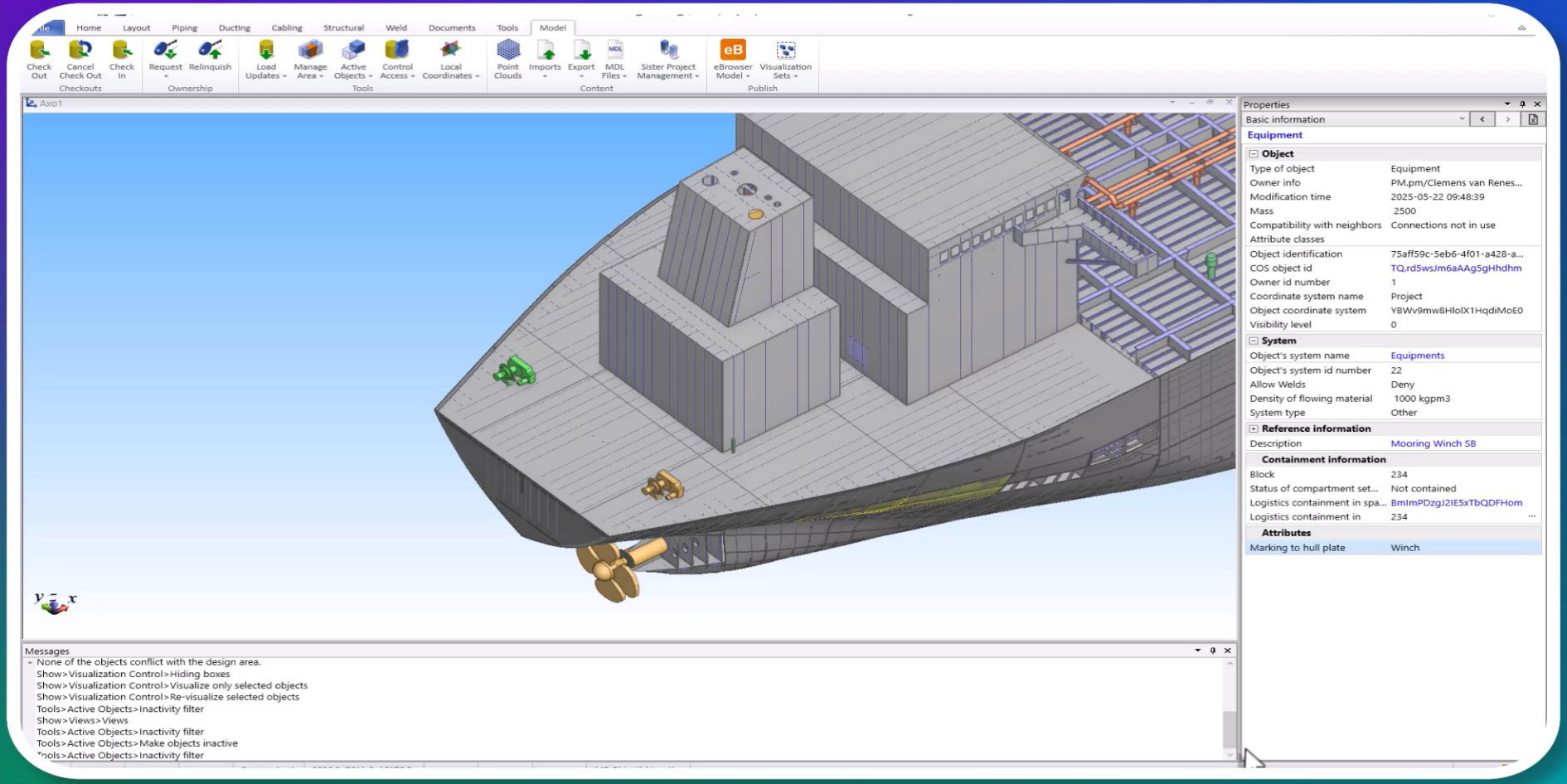
船殻部材の一品データへの艤装品のマーキン線出力

- Get Markings in Hull from Outfitting items, using Sweeps and Plates.
  （SweepとPlateを使用して艤装品からHullでのマーキン情報を取得）
- Using Hull Marking Tool in Outfitting
  （Outfitting側にある”Hull Marking Tool”を使用し、Hullの一品上にマーキン線を出力する艤装品を指定）




Home
Layout
Piping
Ducting
Cabling
Structural
Weld
Documents
Tools
Model
Check Out
Cancel Check Out
Check In
Checkouts
Request
Relinquish
Ownership
Load Updates
Manage Area
Active Objects
Control Access
Local Coordinates
Tools
Point Clouds
Imports
Export
MDL Files
Sister Project Management
Content
eBrowser Model
Visualization Sets
Publish
Axo1
Properties
Basic information
Equipment
Object
Type of object Equipment
Owner info PM.pm/Clemens van Renes...
Modification time 2025-05-22 09:48:39
Mass 2500
Compatibility with neighbors Connections not in use
Attribute classes
Object identification 75aff59c-5eb6-4f01-a428-a...
COS object id TQ.rd5wsJm6aAAg5gHhdhm
Owner id number 1
Coordinate system name Project
Object coordinate system YBWv9mw8HIolX1HqdiMoE0
Visibility level 0
System
Object's system name Equipments
Object's system id number 22
Allow Welds Deny
Density of flowing material 1000 kgpm3
System type Other
Reference information
Description Mooring Winch SB
Containment information
Block 234
Status of compartment set... Not contained
Logistics containment in spa... BmImPDzgJ2IE5xTbQDFHom
Logistics containment in 234
Attributes
Marking to hull plate Winch
Messages
None of the objects conflict with the design area.
Show>Visualization Control>Hiding boxes
Show>Visualization Control>Visualize only selected objects
Show>Visualization Control>Re-visualize selected objects
Tools>Active Objects>Inactivity filter
Show>Views>Views
Tools>Active Objects>Inactivity filter
Tools>Active Objects>Make objects inactive
Tools>Active Objects>Inactivity filter

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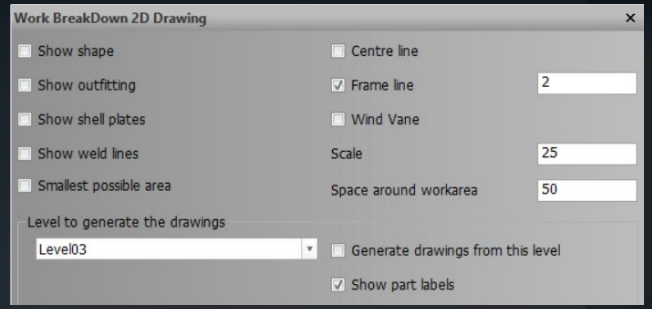
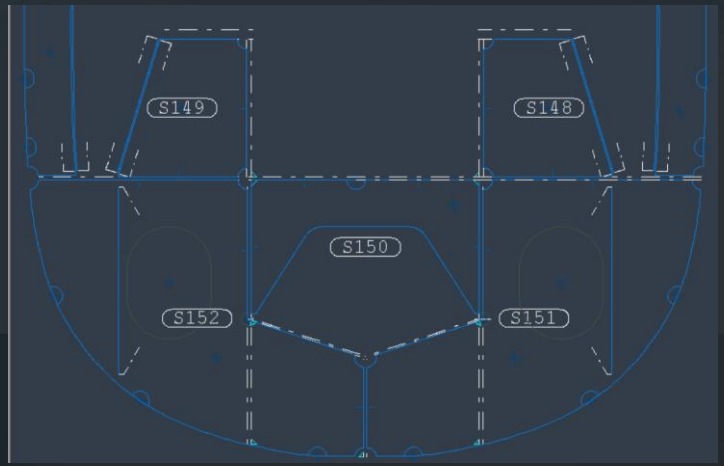
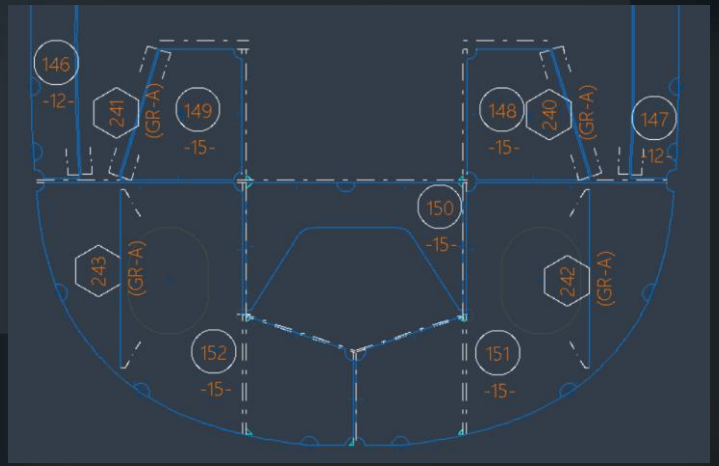
WBD 2D sketchに全部材のラベルを表示

All Part symbols in each wbd2d level
（各wbd2dレベルのすべてのPart symbolを表示）

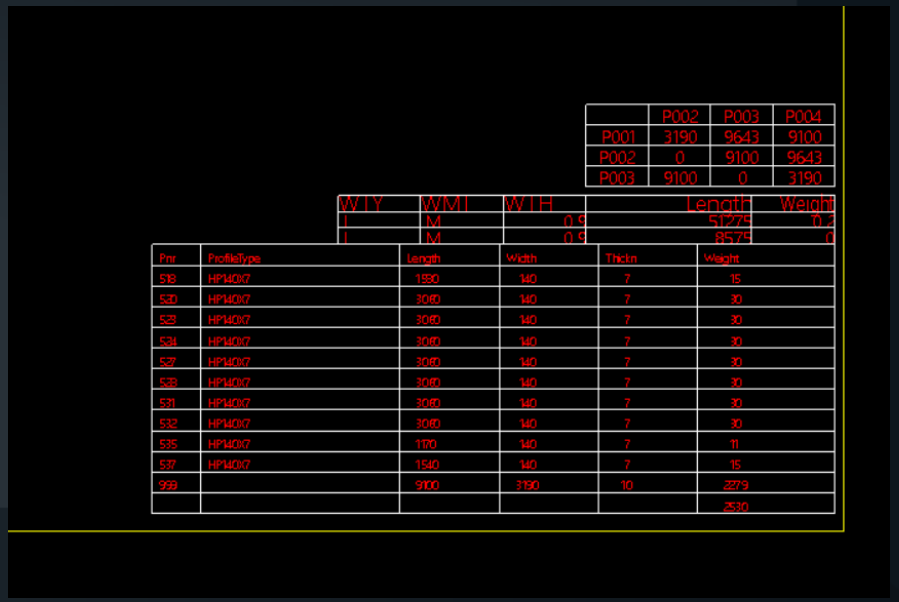


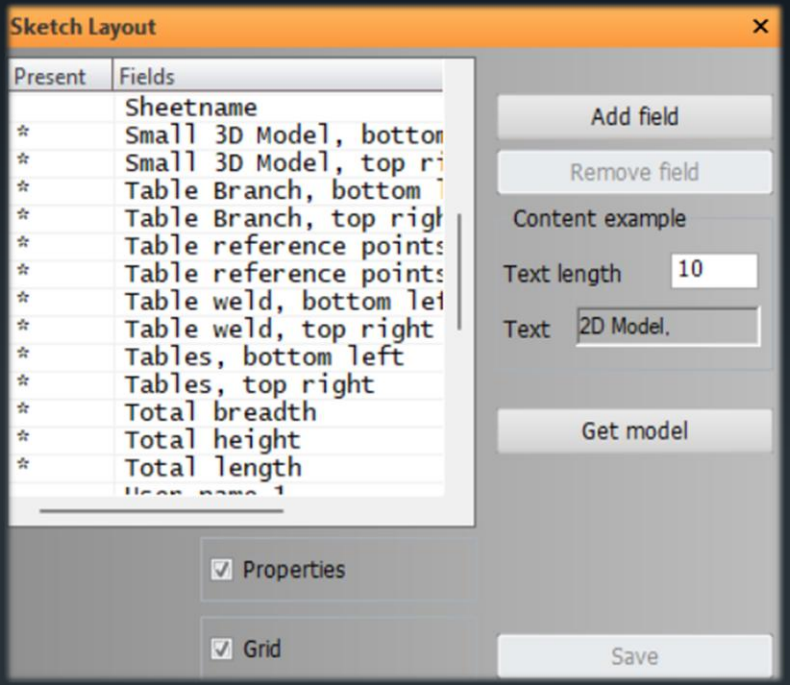




WBD 3D sketch上のテーブルを自由に配置

- The 3 tables (*BOM*, *weld table* & *reference points*) in the sketches can be positioned more freely now.
  (部材リスト、溶接テーブル、Reference points テーブルの配置をさらに自由に設定可能)
- They can be dependent on previous table or can be placed independently now.
  (それらは以前のテーブルに依存することも、独立して配置することも可能)




Sketch Layout
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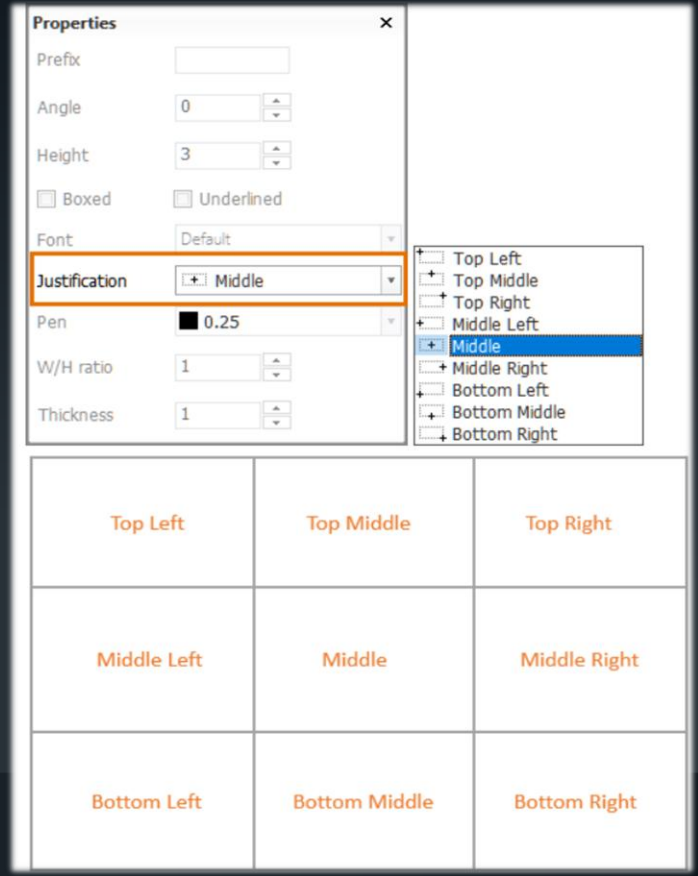
Fields
Sheetname
Small 3D Model, bottom
Small 3D Model, top ri
Table Branch, bottom
Table Branch, top righ
Table reference points
Table reference points
Table weld, bottom lef
Table weld, top right
Tables, bottom left
Tables, top right
Total breadth
Total height
Total length
Add field
Remove field
Content example
Text length
10
Text
2D Model.
Get model
Properties
Grid
Save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Angle
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Height
3
Boxed
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Justification
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W/H ratio
1
Thickness
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Top Left
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Middle Left
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Middle Right
Bottom Left
Bottom Middle
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Top Left
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Bottom Right

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レポート機能の改良

- Six new logistical field types that can be added to the logistical database layout
  （Logistical database layoutで新たに6つのLogisticalフィールドタイプが追加可能）

Logistical Fields Options

Description	Visible	Editable	ShowType	Groupable
Weight	Yes	No	Summarize	Yes
COG_length	Yes	No	Average	Yes
COG_transverse	Yes	No	Average	Yes
COG_vertical	Yes	No	Average	Yes
Min_Length	Yes	No	Minimum	Yes
Min_Breadth	Yes	No	Minimum	Yes
Min_Height	Yes	No	Minimum	Yes
Max_Length	Yes	No	Maximum	Yes
Max_Breadth	Yes	No	Maximum	Yes
Max_Height	Yes	No	Maximum	Yes

- All Derived data fields (except weld related fields) are supported in xlsx reports
  - Material type & Profile type
  - PlateBrAttType
  （すべての派生フィールド(Weld関連は除く)をレポートのExcelテンプレートに設可能）

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Part List Report

Project:	Hull_Session_2
Object:	195
Date/time:	13-11-2025 22:00:15

Part	Panel	Position	Length	Width	Thickness	Material	Weight	ProfileType	PlateBrAttType	ProfileName	Description
-1234			3900	140	7	A	38	HP140X7PRF	A401	HP140X7PRF	S:B1-10/LB010201
-1234			800	140	7	A	8	HP140X7PRF	A401	HP140X7PRF	S:O1-2/BH010101
-1234			13395	150	10	A	158	- 150X10	A453	- 150X10	S:TWW1-7/MAINDA
-1234			1231	140	7	A	12	HP140X7PRF	A401	HP140X7PRF	S:B1-4/FLOOR16
-1234			3100	140	7	A	30	HP140X7PRF	A401	HP140X7PRF	S:B2-9/LB010201
-1234			2144	140	7	A	21	HP140X7PRF	A401	HP140X7PRF	S:B5-4/BH010101
-1234			2335	100	6	A	14	HP100X6PRF	A401	HP100X6PRF	S:B1-2/FLOOR0
-1234			2826	100	6	A	17	HP100X6PRF	A401	HP100X6PRF	S:B1-6/FLOOR4
-1234			1101	100	6	A	7	HP100X6PRF	A401	HP100X6PRF	S:B1-14/FLOOR5
-1234			3900	140	7	A	38	HP140X7PRF	A401	HP140X7PRF	S:B1-5/LB010201

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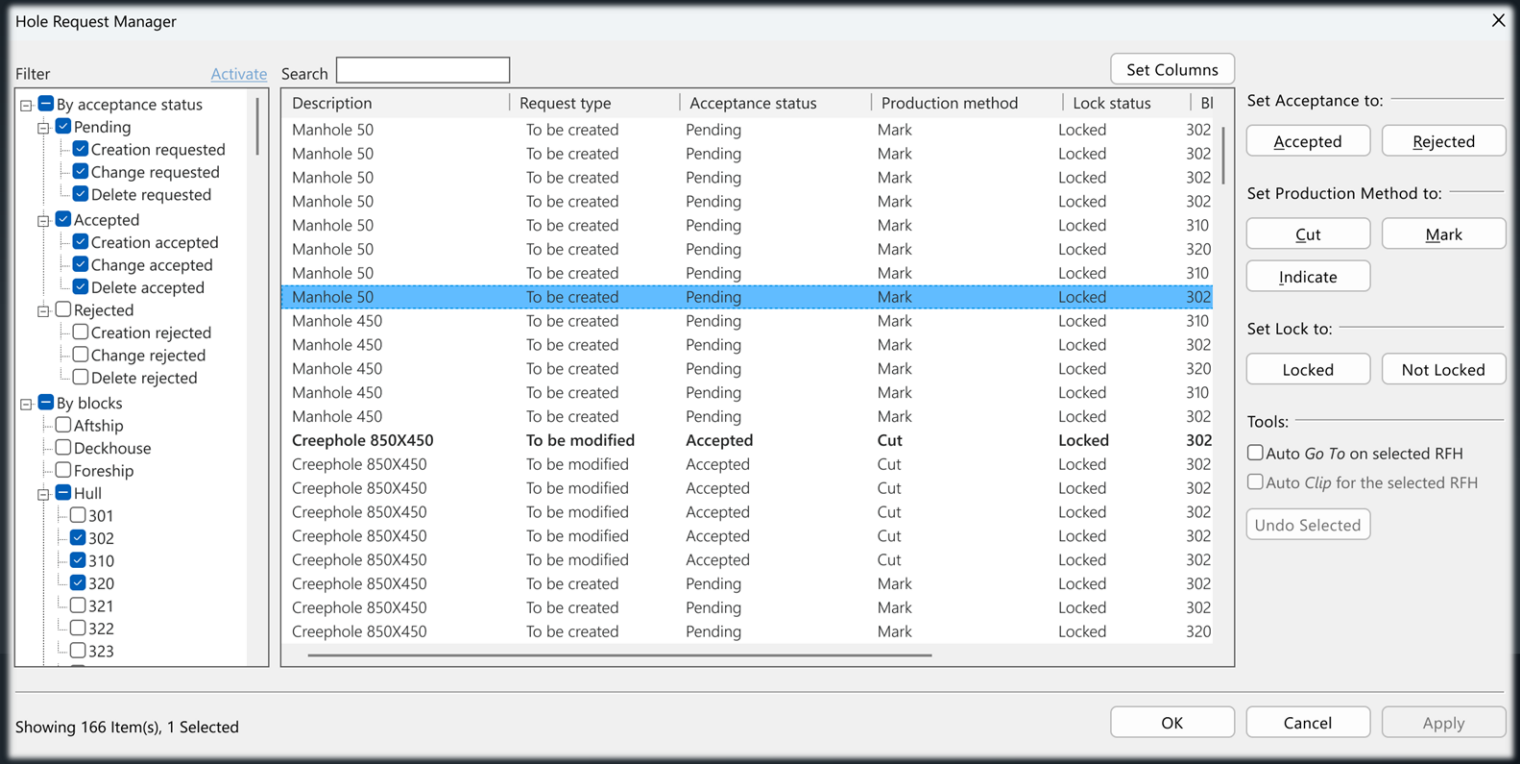
Hole Request Manager（開発中/2026H1リリース予定）



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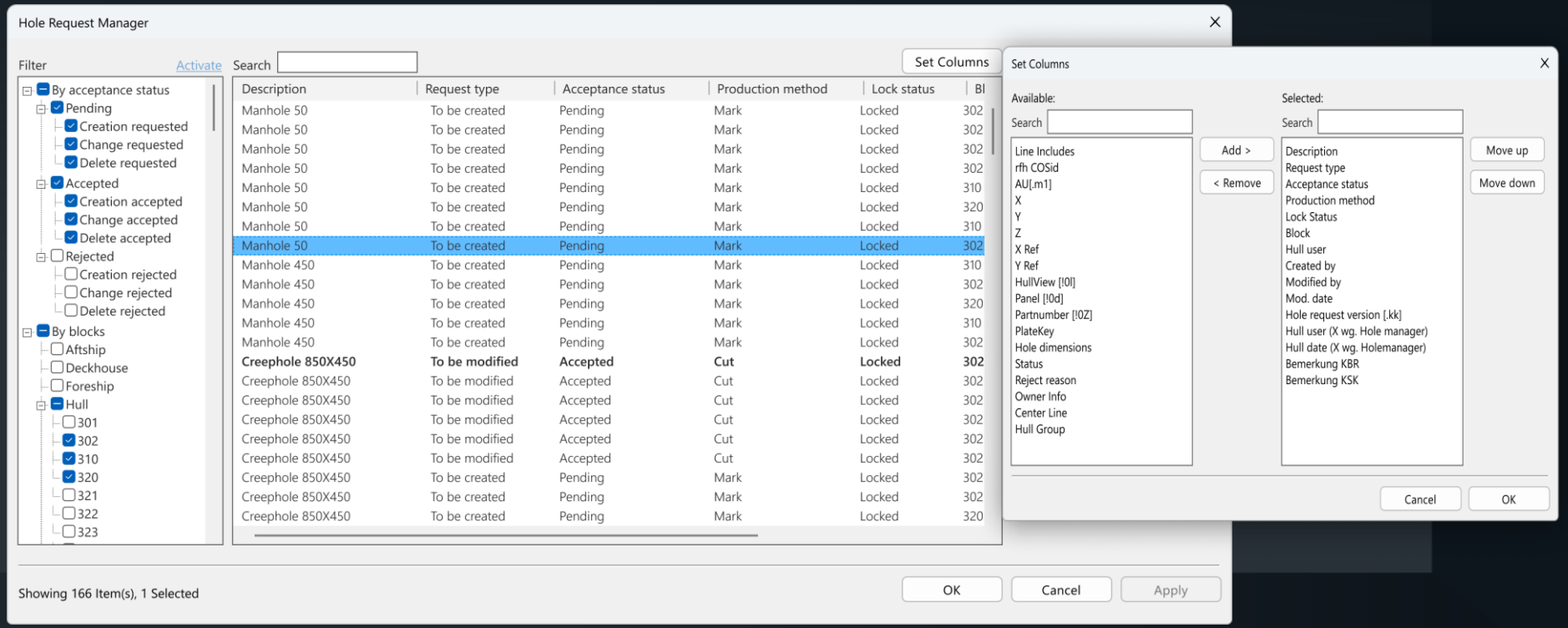

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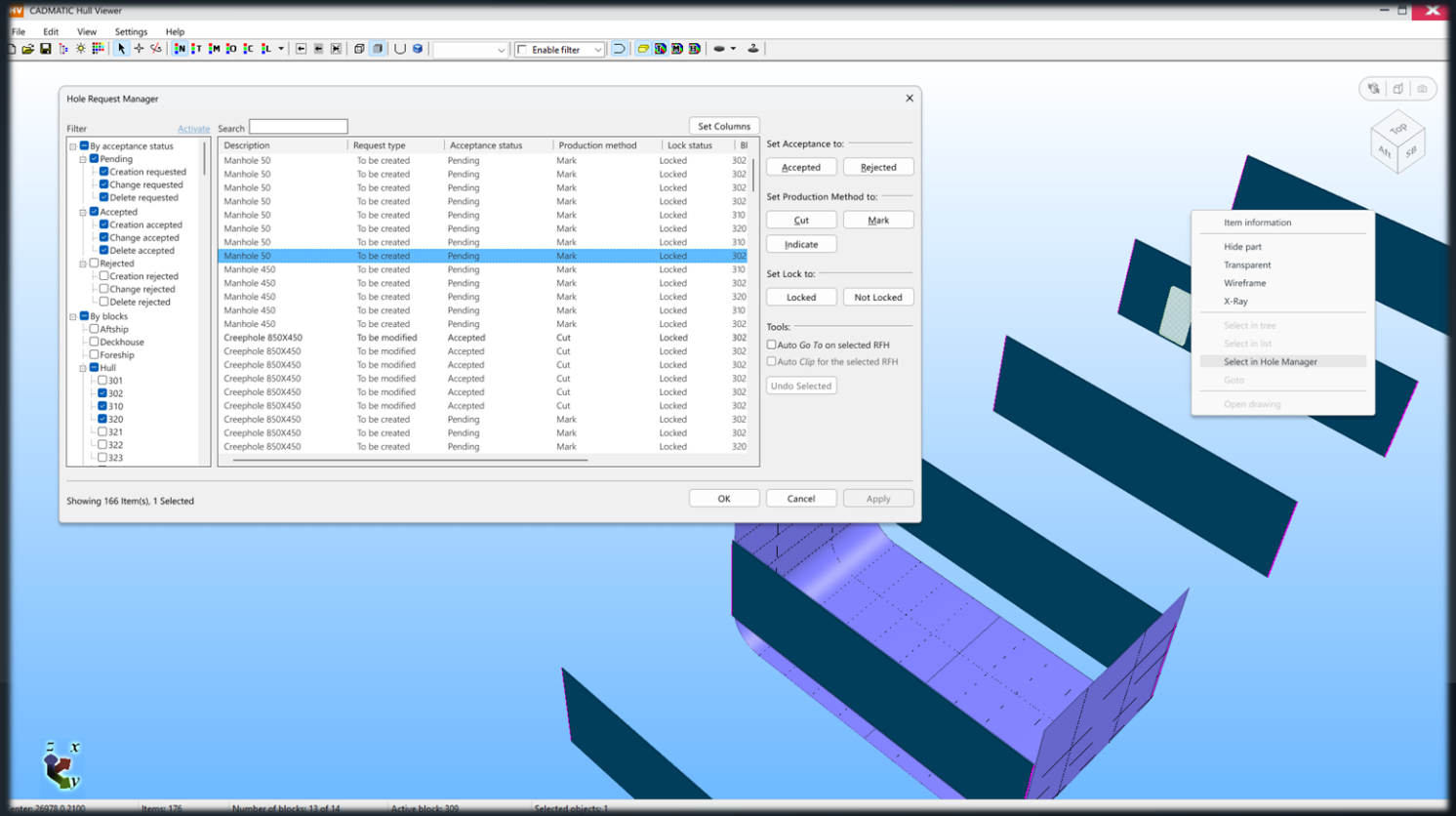

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Thank You!

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