# NAPA Steel for 3DMBA

OCX Interface and NAPA Viewer

OCX Interface

- OCX Export
  - The NAPA Steel model can be exported OCX format in accordance with latest schema
  - Introduced in NAPA Designer 2020.1 (released in June)
  - Enhanced with a number of new features and improvements in 2020.2 (released in December 2020)

- OCX Import
  - The NAPA Steel model is generated from the imported OCX file produced by any vendor
  - Introduced in NAPA Designer 2020.2
  - Unlimited possibilities for further utilization of the model
    - Generate FE mesh
    - Export to rule scantling software
    - Produce drawings
    - Produce numeric output (weight reports etc.)
    - Make design changes
    - Share using NAPA Viewer
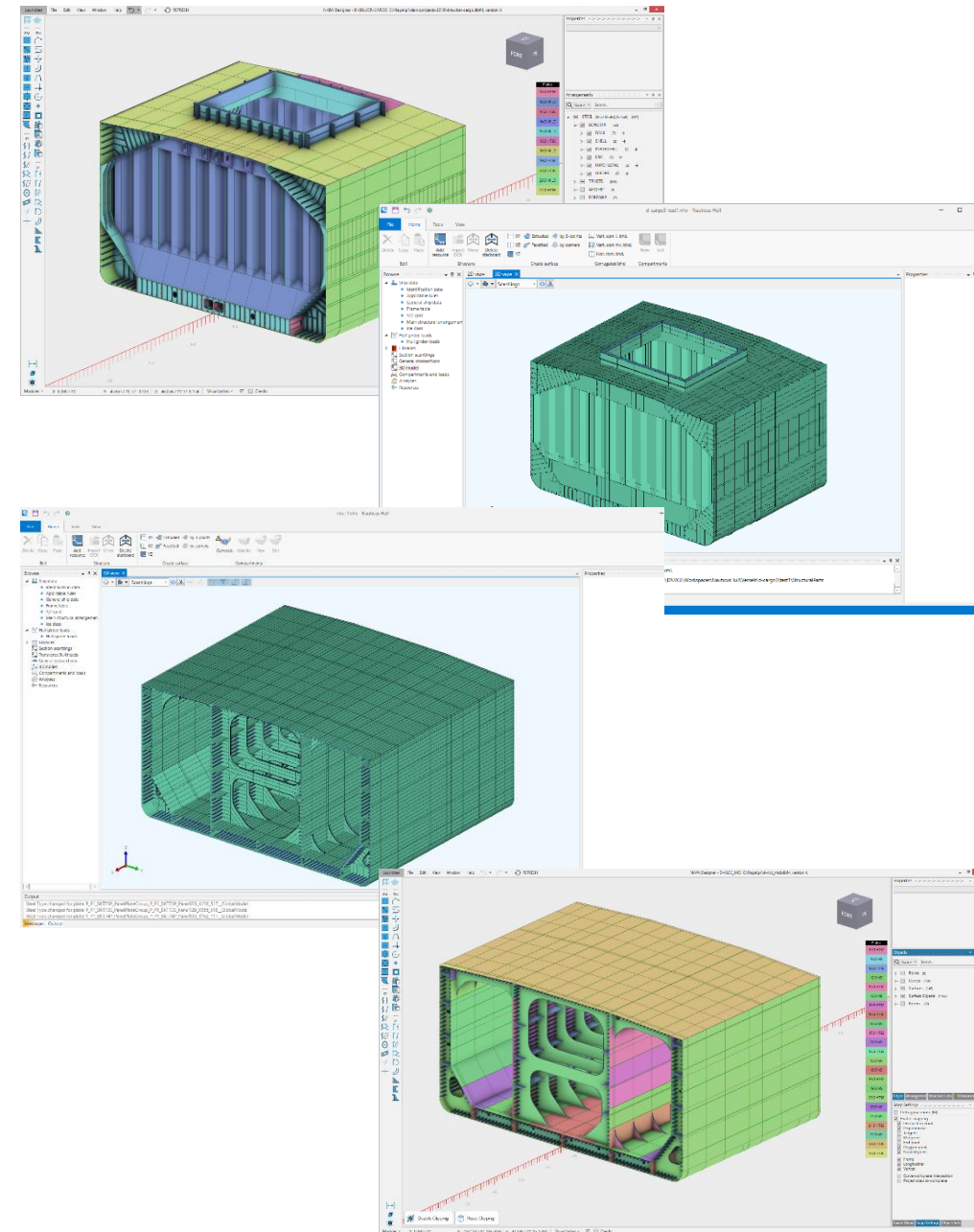
Utilization of imported OCX model

- **Generate FE Mesh**
  - Generated automatically from the model based on user specified parameters
  - Possibility to do refinements and manual edits to the mesh
  - Export in various file formats supporting element grouping

- **Export to Rule scantling software**
  - Support for major class society software including ABS, BV, ClassNK, DNV(GL), KR and LR

- **Produce Class drawings**
  - 2D drawings automatically generated from the model with NAPA Drafting
  - Custom annotations and automatic annotation rules

- **Native NAPA Steel model**
  - Possibility to edit the model and continue with design changes
  - Numeric output for producing custom reports
  - Export in various CAD formats (.step, .jt .html .3dpdf …)
  - Export to detail/production design systems (AM, Smart 3D, Cadmatic Hull/Outfitting
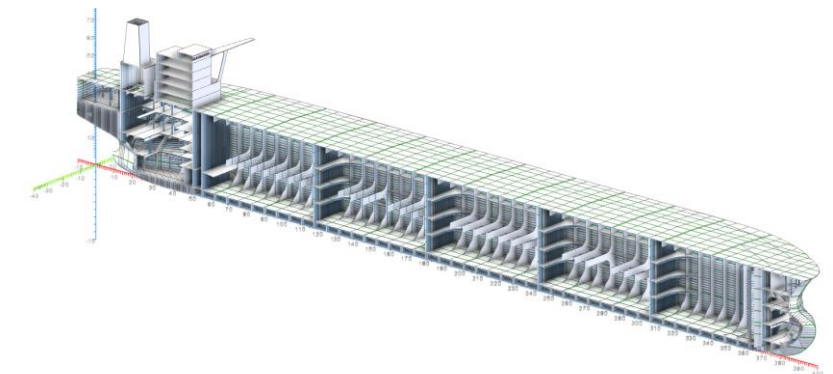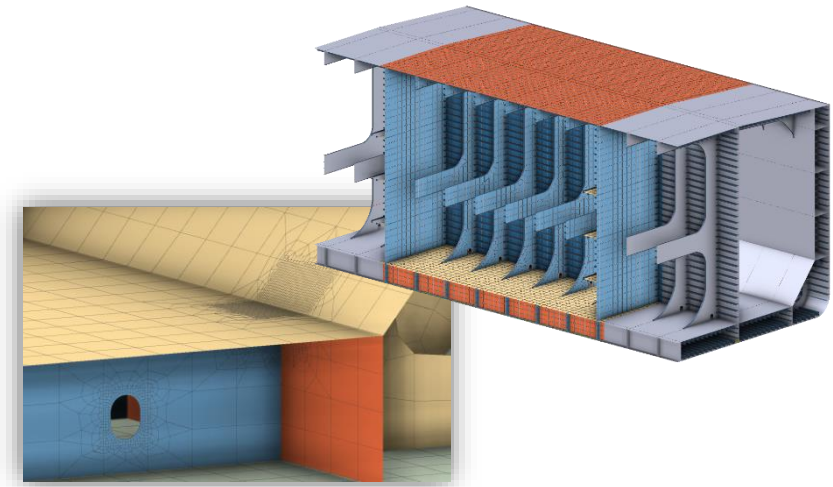
Utilization of imported OCX Model

- **NAPA Viewer**
  - Share design information using NAPA Viewer
  - Web application - No need to install anything on end user's device
  - Models managed on a server
  - Main Features
    - Arrangement tree for controlling the visibility of objects
    - Object attributes available such as plate thickness, material, stiffener profile etc.
    - 2D section views, similar to traditional drawings
    - Commenting with attachments and annotations in 3D view
    - Measuring tools
    - 3D clipping to limit the view