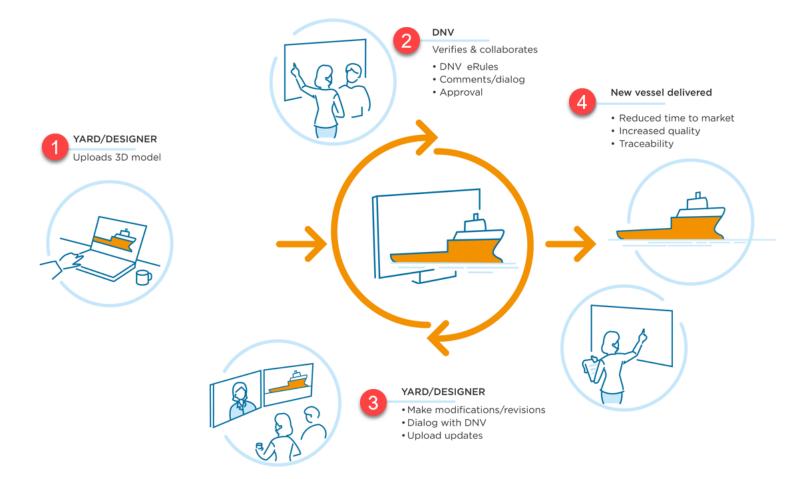
3D approval: A real case

Ole Chr. Astrup, DNV Ozan Uyanik, AVEVA





3D Approval – The Customer Journey with DNV



Customer interaction steps:

- The yard/designer submits the 3D model to DNV together with other design documentation
- 2. DNV reviews the 3D model, give comments and can reuse the model for calculations
- 3. The yard/designer receives feedback/comments and submit a revised model
- 4. The design is approved and the yard receives the approval confirmation.

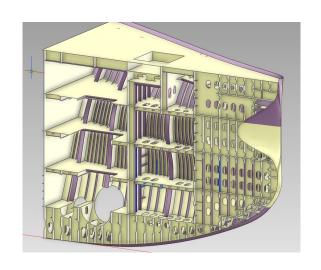


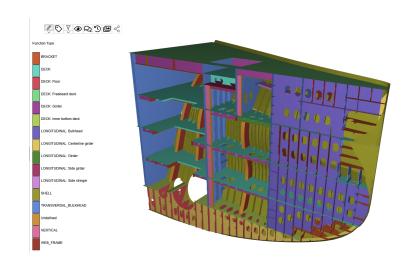


First commercial 3D Approval with Deltamarin of one engineering unit

AVEVA E3D









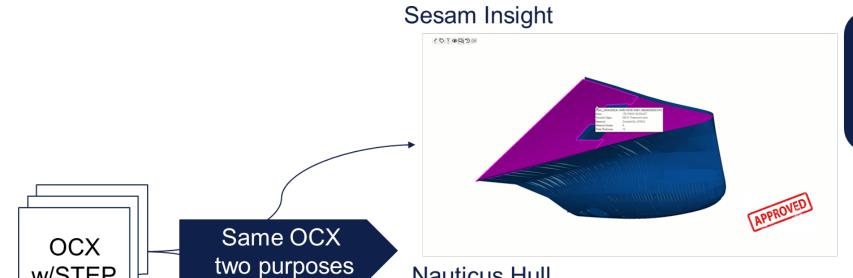








OCX based model Approval



Drawing replacement

- Exact replica of the design model
- The information DNV approves

Calculation model

- Does not use step, OCX geometry + topology
- Need not import 100%
- Easy to add any missing parts in the calculation tool





Nauticus Hull



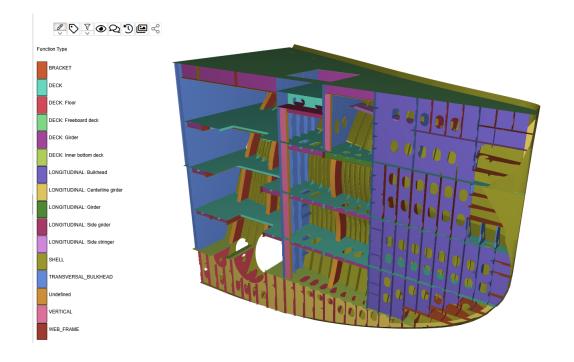
w/STEP



Upload to DNV and view the 3D OCX model

YARD/DESIGNER

Uploads 3D model





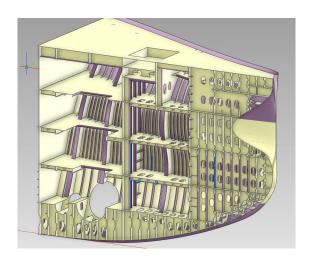




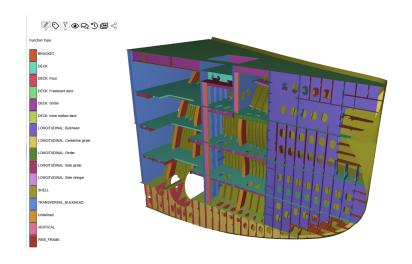


First commercial 3D Approval with Deltamarin

AVEVA E3D



DNV 3D Approval Platform













Approval Expert (AE) can carry out rule calculations

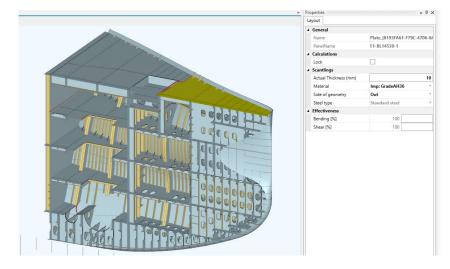
using the uploaded ÓCX

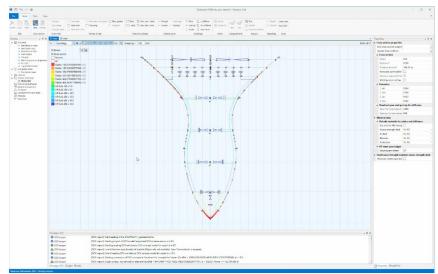
DNV

Verifies & collaborates

- Rule calculations
- Comments/dialog
- Approval











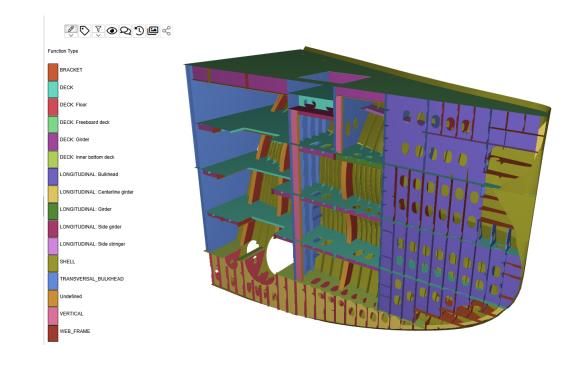


The AE reviews the model in Sesam Insight

DNV

Verifies & collaborates

- Rule calculations
- Comments/dialog
- Approval









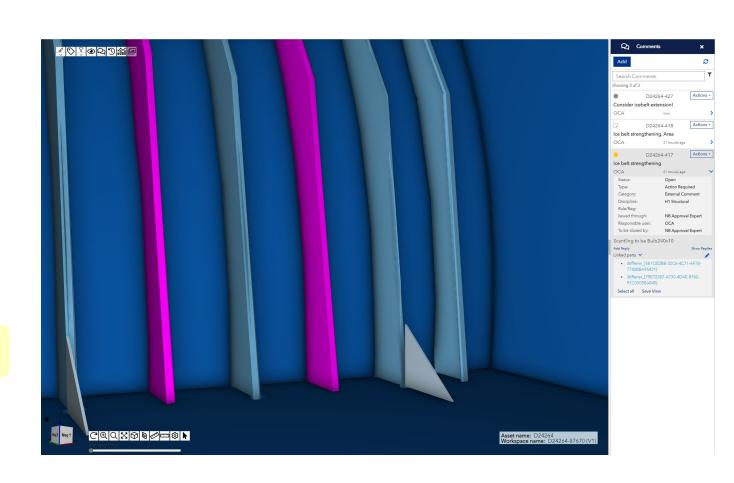


The AE can review and comment in Sesam Insight

DNV

Verifies & collaborates

- Rule calculations
- Comments/dialog
- Approval











D24264-427

D24264-418

D24264-417

8 min. ago

21 hour(s) ago

21 hour(s) ago

External Comment

NB Approval Expert

NB Approval Expert

H1 Structural

Open Action Required

Actions -

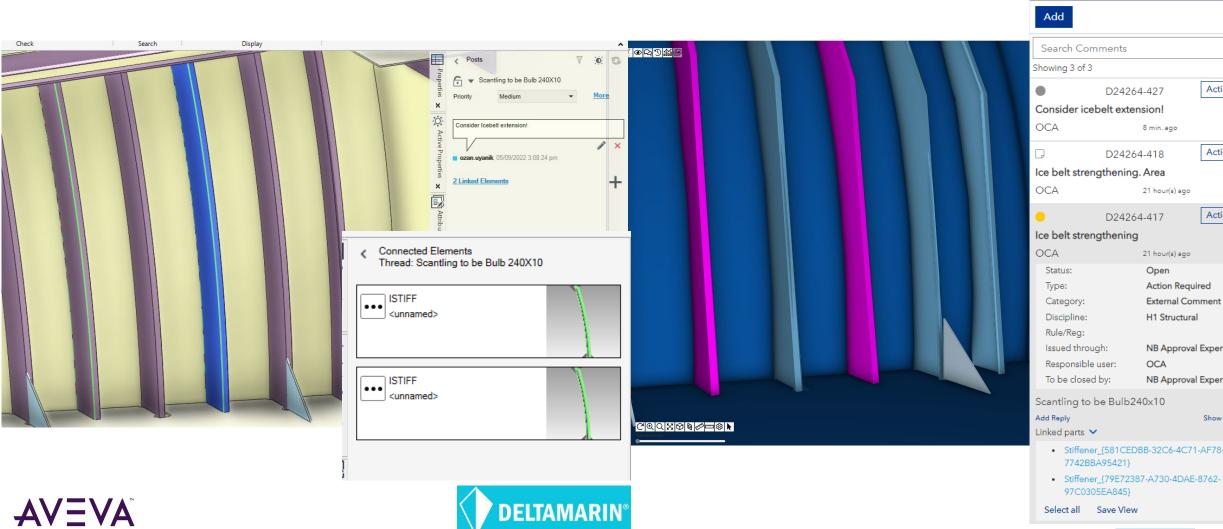
Actions -

Actions -

Show Replies

Q Comments

Comments can also be made available in AVEVA E3D





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