

ENABLING OCX

FOR EVERY DAY USE AT A SHIP DESIGN COMPANY

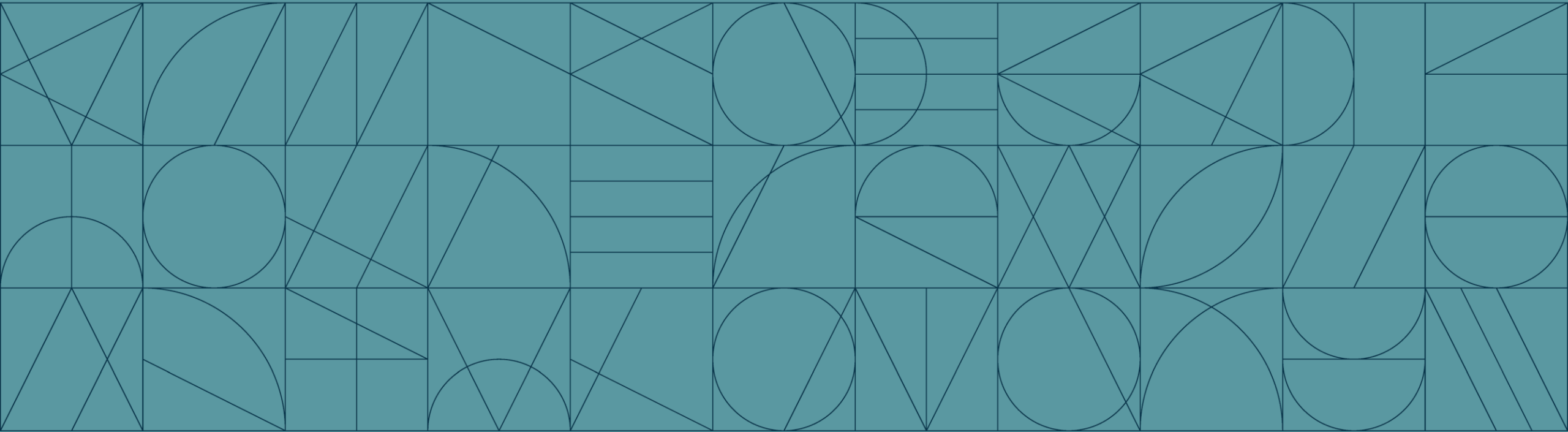


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IMAGINEERING

10.11.2022


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AGENDA



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1. **Introduction**
Who and what we are aiming for
 2. **Current Status**
situation, challenges and demo
 3. **Next Steps**
Q&A and Discussion
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INTRODUCTION

Who?

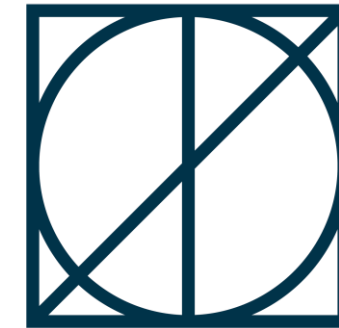


Skipsteknisk - Ship Design Company

Siemens - Software Vendor
(developing OCX export from NX)

CLEVR - System Integrator

DNV – developing OCX import for NH



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Skipsteknisk 
- freedom to create

SIEMENS



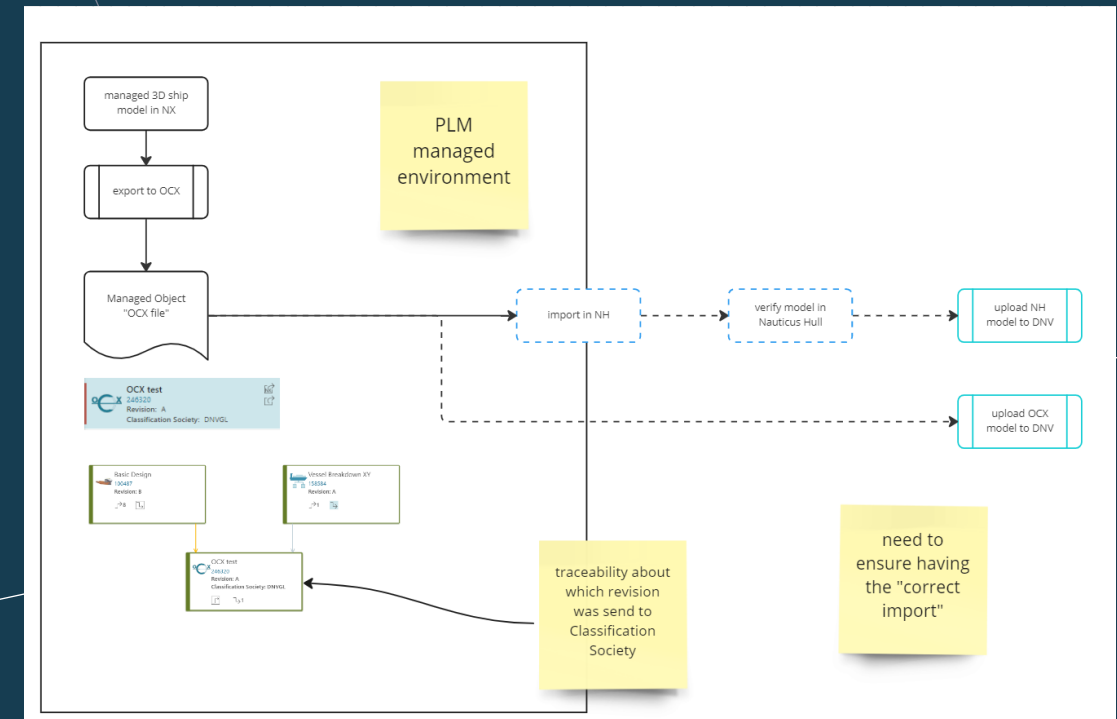
DNV

INTRODUCTION

Vision for use of OCX



- Easy maintainable 3D Model for basic design
- No need of creating any drawings “just for classification”
- Export in a managed process
- Process proof export (trace information shared with DNV)

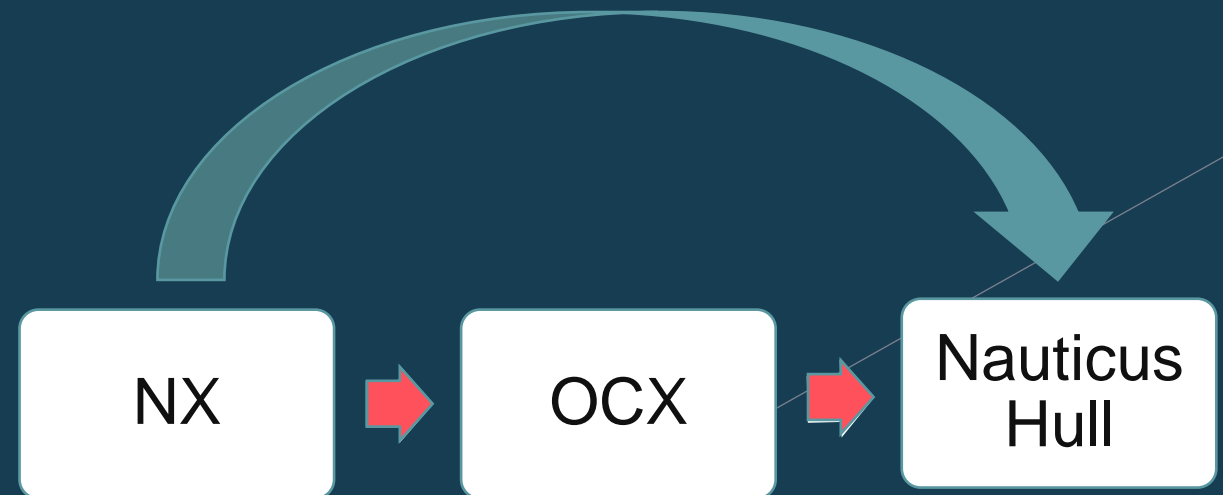


CURRENT STATUS

Current status



- Maturity of export
- Getting ready for users to engage
- Some minor issues to need to be addressed
 - NX – OCX – NH
 - Geometrical issues
- Need to get export and import ready for user testing
- Slow release processes (to engage to end users)
- Critical level of functionality for efficient POCs

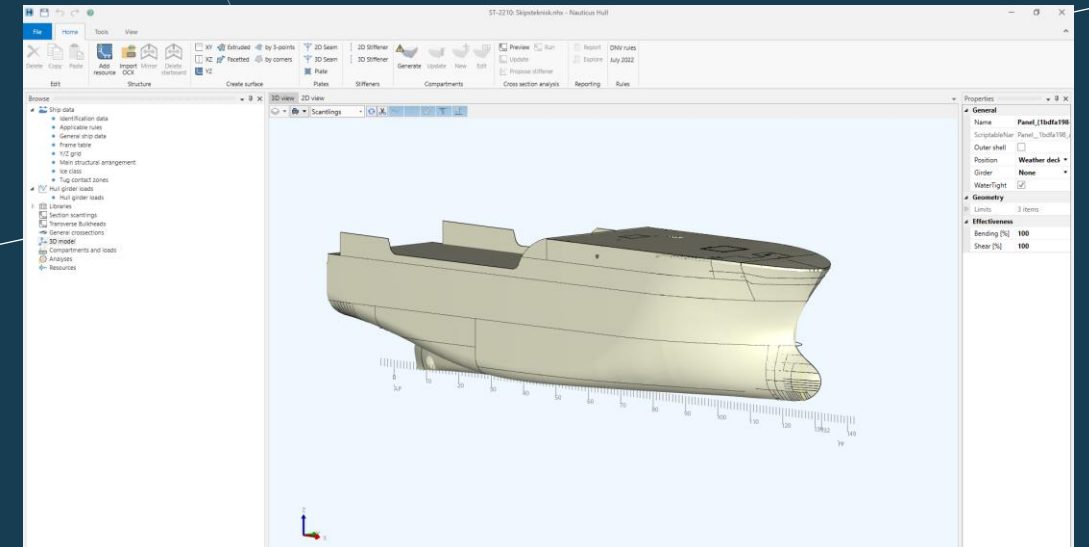
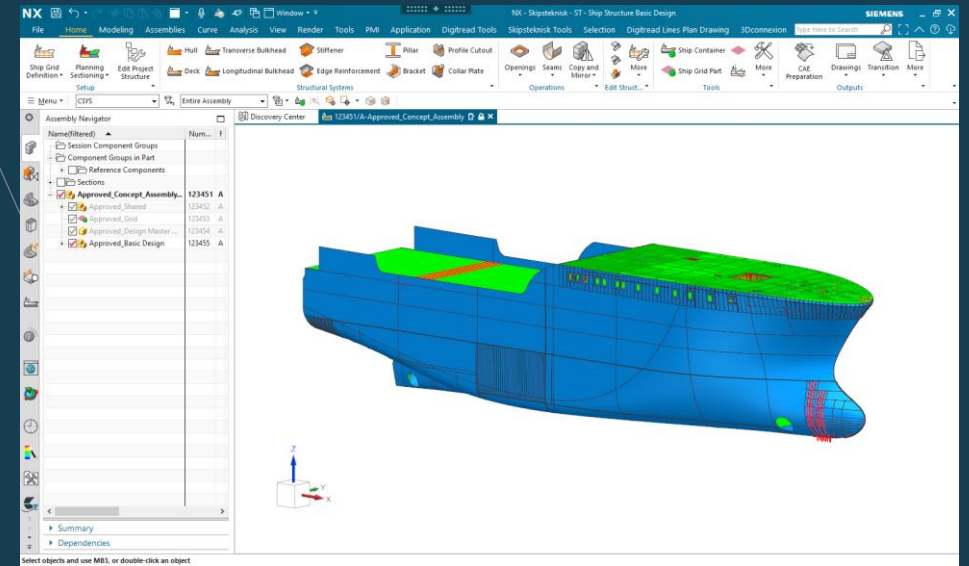


CURRENT STATUS

Demonstration



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Hands-on:
Export from ST model to Nauticus Hull

CURRENT STATUS

What else? – an update from Siemens

- We are seeing increasing interest in the adoption of OCX across our customer base
- Supporting customers generating OCX output with different classification societies. Amongst others this activity includes
 - Skipsteknisk - working with DNV
 - Navantia - working with Bureau Veritas
 - Lürssen – working with DNV (?)
- Continue working to improve our OCX output translator, improve GUID implementation, add more flexible customization of output
- We have completed POC activity on an OCX reader in NX. Delivery of a production ready reader is not currently planned.



Next Steps

What's next and what's needed to enable OCX?

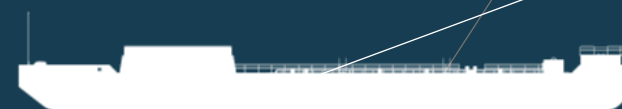


- Spread the word!
- Involve more companies
- need to technically mature to a production-ready level
- need to get more companies and classification societies involved
- Sort out child sicknesses





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