



IMPROVE

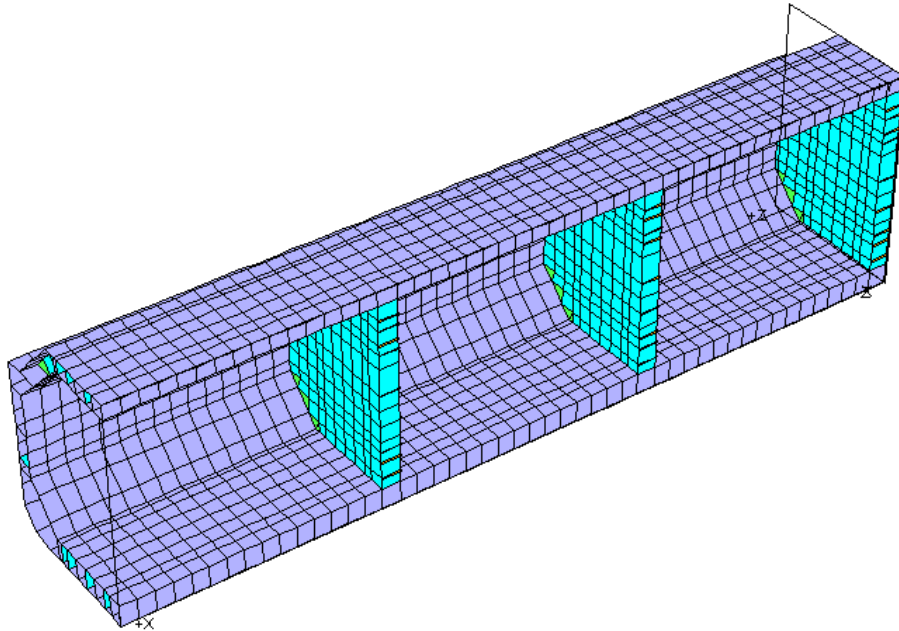
***DESIGN OF IMPROVED AND COMPETITIVE
PRODUCTS USING AN INTEGRATED DECISION
SUPPORT SYSTEM
FOR SHIP PRODUCTION AND OPERATION***

2 October 2006

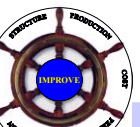


VERISTAR HULL on 220000 m³ LNG carrier

- FEM model of the 3 tanks of ship

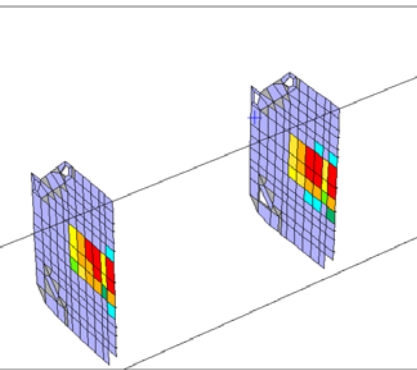


- 11 load cases



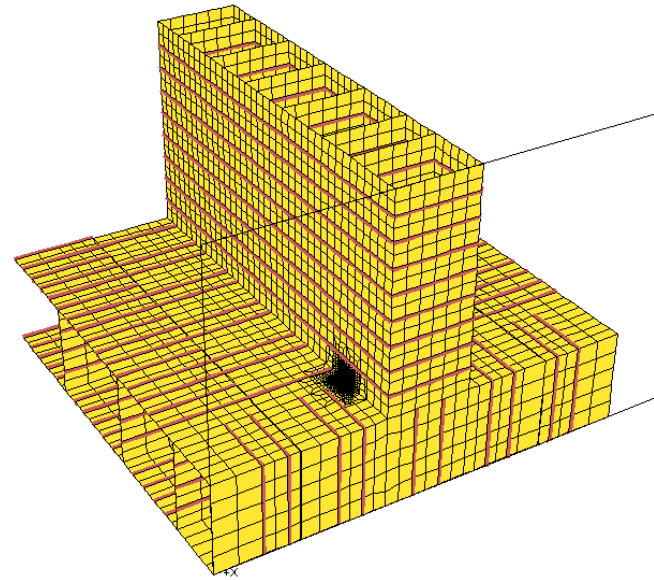
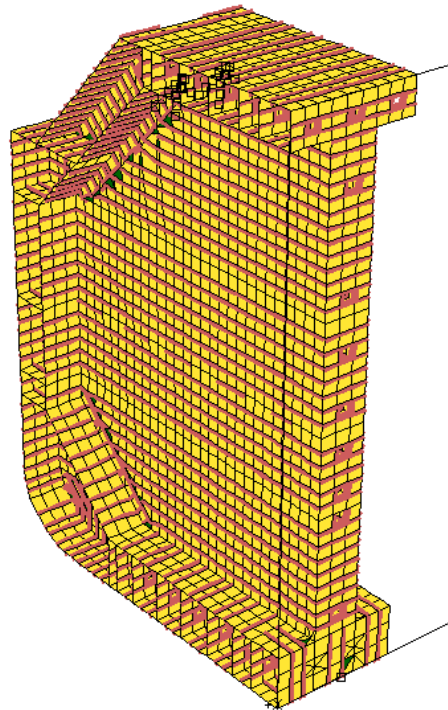
VERISTAR HULL

- Buckling + local static analysis + fatigue



STRESS RATIO COMPONENTS

LOAD CASE: 7
PANEL BU51SF



IMPROVE

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VERISTAR HULL

- Optimisation of the distance between frames and comparison.
 - Reinforcement of secondary stiffening
 - No major difference between 2 designs in term of fatigue
 - Possibility of gains on weight and cost



Thank You for Your Attention !



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