

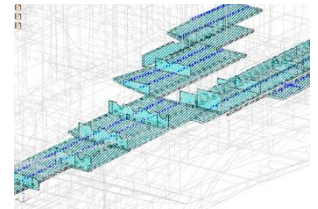
Avoiding overspending on steel renewal

Customer:

Login (LOGN3) is a logistic company that operates 10 ships (8 container ships - 5 own and 3 chartered, 2 bulk carriers) and operates 1 port terminal and 2 intermodal terminals.

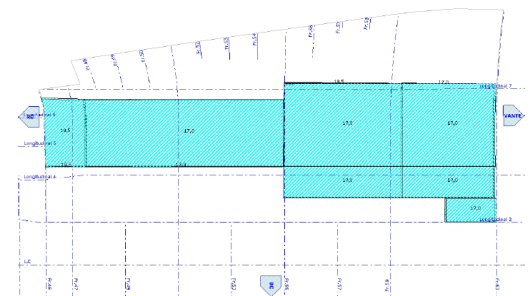
Challenge

The container ship suffered bottom damage due to grounding. Two shipyards were contacted to provide evaluations but replied with differences around 40% on steel renewal estimation. An accurate assessment of the actual damage extent and repair volumes had to be done quickly.



Solution

The steel renewal was recalculated in a few hours using the repair tools of PhDC4D®. Actual repair needs were 61 tons of steel. It was clear that the shipyards' calculations were over estimating the steel weight to be replaced up to 60%.



Outcome

Considering the cost of steel renewal in local shipyards of \$11/Kg Login saved around \$400,000.00.

With the actual figure at hand the following possibilities became viable:

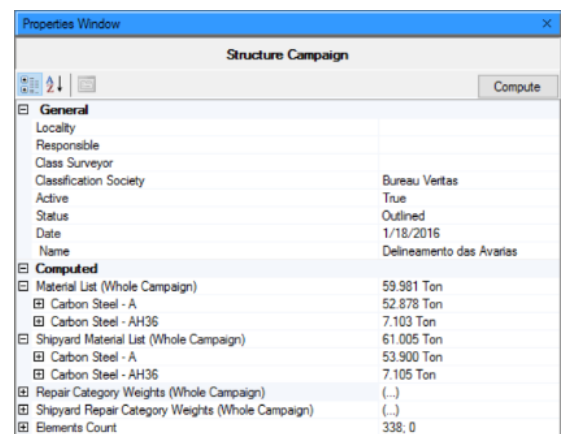
- The shipyard with lower price could be safely selected not running the risk to increase the work scope during repair execution.
- Competition among shipyards could be done considering better price per weight of steel renewal.

Customer comments

"Without C4D we would be forced to follow blindly the quotation of the shipyards with no control of the situation"

"We would never have those numbers in that amount of time without C4D®"

"The calculation of steel renewal done by C4D is more accurate than the shipyard because it takes into account all the original thicknesses"



Structure Campaign	
General	
Locality	
Responsible	
Class Surveyor	
Classification Society	Bureau Veritas
Active	True
Status	Outlined
Date	1/18/2016
Name	Delineamento das Avarias
Computed	
Material List (Whole Campaign)	59.981 Ton
Carbon Steel - A	52.878 Ton
Carbon Steel - AH36	7.103 Ton
Shipyard Material List (Whole Campaign)	61.005 Ton
Carbon Steel - A	53.900 Ton
Carbon Steel - AH36	7.105 Ton
Repair Category Weights (Whole Campaign)	(...)
Shipyard Repair Category Weights (Whole Campaign)	(...)
Elements Count	338; 0