Real time communication in shipbuilding

To improve the collaboration between the engineering and remote production department

Main problem
During the ship production process, production solves small problems, caused by incorrect information delivered by the engineering department. These problem solving activities during the ship production phase lead to small incremental improvements on the ship. In the current situation these improvements are not captured.

Objective
Create shared understanding and mutual responsibility by engineering and production for the quality of the ship, facilitated by a continuous dialogue.

Recommendations for Damen
• Support closed the loop feedback between engineering and production to improve production information
• Support shared understanding and mutual responsibility between engineering and production to improve the quality of the ship

Engineer
• Work in the 3D model and develop production information
• Lack of practical knowledge/awareness
• Receives no feedback on drawings

Production foreman
• Transform production information into real ship
• Get frustrated if engineering “reinvent the wheel again”
• When series of ships are being build on a new yard, same problems will occur as happened on ship number 1