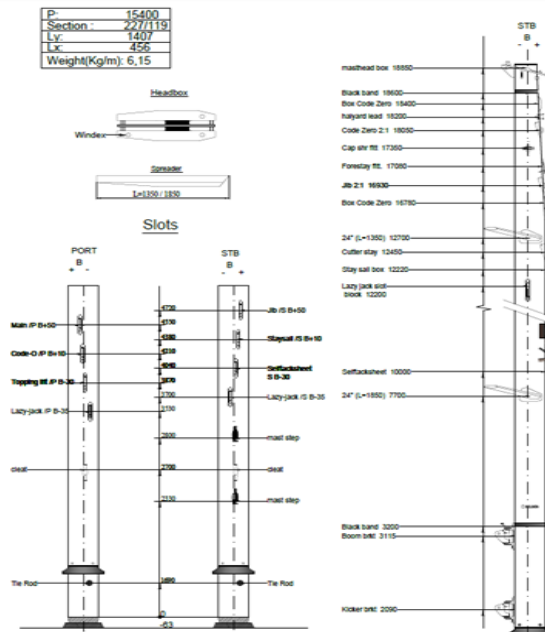# SHIP MAST MODEL CREATION-AUTOMATION

IMPROVING THE PRODUCTION RATE BY ELIMINATION OF MANUAL WORK

Client background

A leading manufacturer of ship mast. They develop their own range of blocks and other deck hardware such as blocks, cleats and swivels.

Business Challenge & Requirements

Based on customer requirements, the client develops customized Ship mast and propose the same by generating three dimensional model with 2D pdf file (Manually in corel software) . To improve productivity and to cut down response time with their clients, they decided to Automate the Mast model and pdf file creation.

Our experts have done a study of their flow process and provided the optimized solutions to the client. It was executed through engineering standards and using CAD tools.

Challenge:

Creation of Customized Ship mast Model from ERP data.
Automation of Three Dimensional Model Creation and 2D pdf file (NTS to readable format).

Solution:

Srinsoft, recommended to export the ERP data's as a XML.
Creation of Mast component as a Library files (as a part and Assembly components); therefore, based on the XML input automatic creation of 3D model along with 2D pdf file using Solidworks software.
Automation of sending a created pdf file to their clients.

Results:

Productivity increased to 80%
Complete elimination of manual work.
Response idle time decreased to 80% once they receive their client requirements.