

OptiView®

A software able to optimize your planning

The OptiView® environment allows you to optimize the planning and scheduling of your shipbuilding workshops. This environment is designed for workshops confronted to the space allocation problem.

The integration of various tools for visualization, selection, filtering and reporting around a core of data management enables you to optimize complex problems efficiently.



OptiView® was conceived to assist you in:

- ✓ The automatic allocation of the activities (blocks, panels, etc) in your workshops
- ✓ The minimization of the surface lost on the ground
- ✓ The long-term and day to day simulation of the impact on the global planning caused by a delay
- ✓ The generation and processing of the data (generation of allocation plans, display of labour graphics, management of the industrial calendar, etc.)

An intuitive and ergonomic graphical user interface facilitates a fast accommodation with the tool.

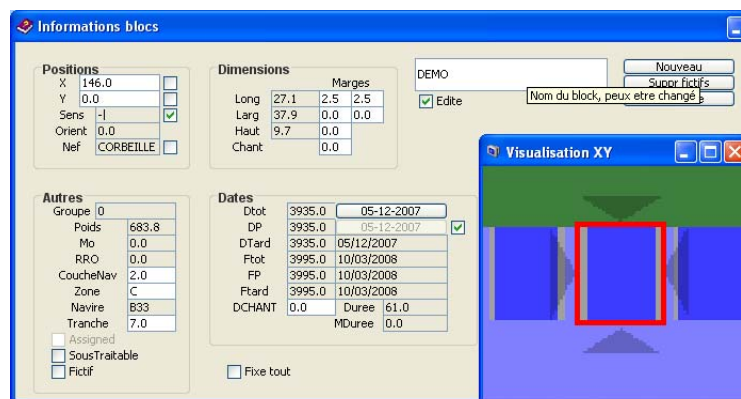
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Functionalities

Display

- ✓ Graphical interactive representation of the workshop
 - Top view of the workshop on a given date
 - Top view of the workshop with a dimension in space and a dimension in time
- ✓ Display and editing the activities (blocks, panels, etc) data
- ✓ Tool for visualization of collisions between activities (blocks, panels, etc)
- ✓ Management of the displaying options (colours, legends, size of text, etc)



Data management

- ✓ Possibility of the workshop data administration in xml format
- ✓ Automatic optimization Module
- ✓ Management of the activities in a hierarchical tree structure
- ✓ Filtering and selection tools of activities
- ✓ Management of groups of activities (blocks, panels, etc)
- ✓ Management of preferential zones for the activities (blocks, panels, etc)
- ✓ Activities snap tool
- ✓ Management of industrial calendar (working days, etc)
- ✓ Data update tool for simulation

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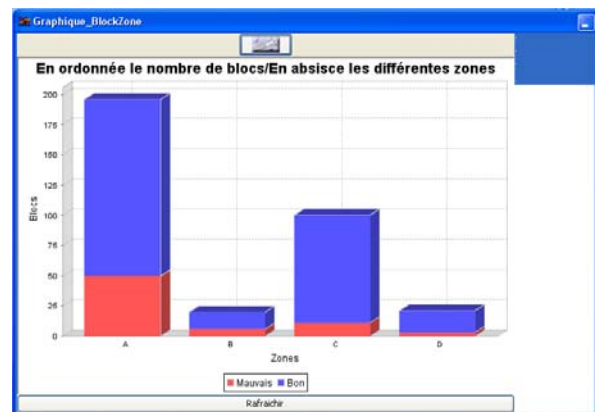
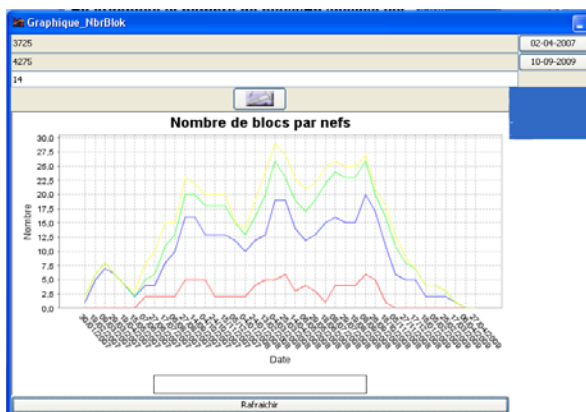
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Data post processing

Generation of space allocation plan and scheduling to the Postscript, pdf, hpgl and dxf format

Graphics display management (printing and possible export with pdf and csv format)

- ✓ Space allocation
- ✓ Activity number per production area (blocks, panels, etc)
- ✓ Labour
- ✓ preferential zones
- ✓ Etc.



Environnement

Application developed under JAVA ('platform independent')

Treatment of the activities databases via CSV flat file

Treatment of the workshops databases via xml file

Input data

- ✓ Data related to the workshop facilities [xml file]
 - Available space of the workshop (length, breadth, height)
 - Crane capacities (maximum load, height under the hook)
 - Definition of work areas inside the workshop (length, breadth, height, type of work, etc.)
 - Industrial calendar (working days for each ship).

- ✓ Data related to the production activities
 - Description of the block (block identification, ship identification, work type, etc.)
 - Processing time evaluation (total amount of workforce needed for each block and duration of work)
 - Dates for the beginning of production (earliest date, latest date) of each block
 - Prismatic dimensions of each block (length, breadth, height, and related spaces allocated to movements around the blocks)
 - Present situation inside the workshop (block position, etc.)