

WEIGANG

Motivation through Organisation



Visualisation Boards as
Interface between Planning
and Manufacturing



Reference



The club ship AIDAblu, delivered in February 2010. Photo: Meyer Werft

Shipbuilding is Teamwork

For a smooth cooperation of planners, logistics experts and assemblers, Meyer Werft uses visualisation boards of the company WEIGANG as a communication platform.

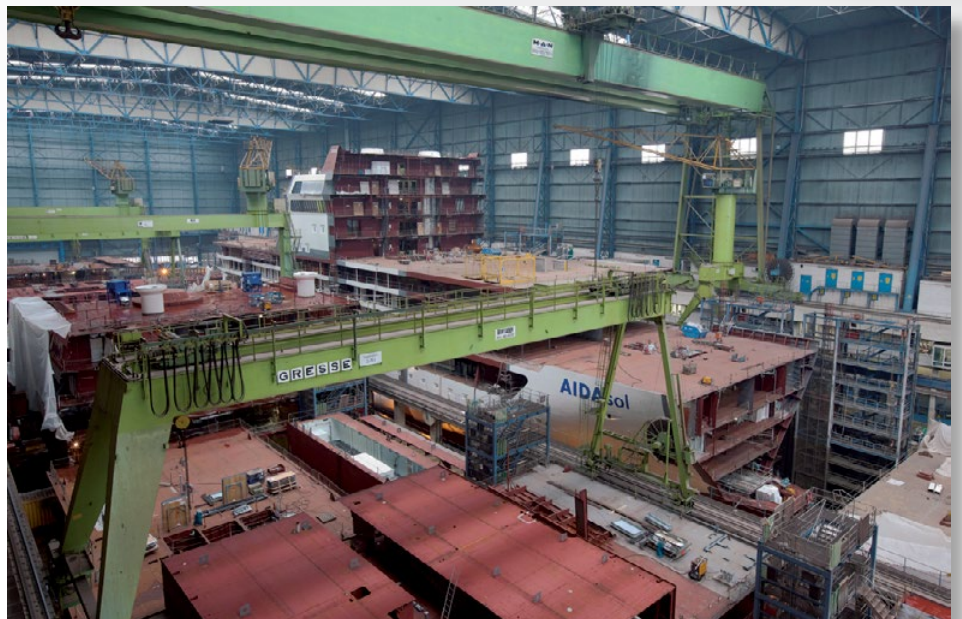
German Meyer Werft is among the most modern shipyards in the world. In its two 370 and 504 m long building docks, it produces cruise and passenger ships, ferries, gas tankers and livestock carriers. Among the famous “works” of the Papenburg shipbuilders are the club ships of AIDA Cruises as for example the AIDAblu, delivered in February 2010.

Blockbuilding Construction

In order to be able to realise floating wellness palaces and transportation giants in an economic manner, the Meyer Werft engineers, technicians and construction mechanics act according to the „block-building principle“: Smaller parts are pre-fabricated and then assembled to ever bigger units. The steel work delivers sheet metal and profiles already treated with a primer coating.

In Papenburg, sheet metal and profiles are cut to size in a plasma burner and welded to form panels. The panels are connected to sections and are then equipped with electrics and lines. The shipbuilders put on average ten sections together to a block. Finally, the individual blocks are welded together and the sub-systems connected with one another. Approximately 65 blocks weighing up to 800 tons form for example a cruise ship.

For a smooth functioning of this “modular principle”, a well-organized production control is essential. In order to achieve this goal, Meyer Werft has equipped all work areas with sophisticated computer technology.



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Visualisation Boards with Integrated Touch Screen

As an interface and communication platform between planning and executing staff members, Meyer Werft uses visualisation boards manufactured by the company WEIGANG – for example for the workshop control in the section equipment. For this purpose, a monitor with touch screen was integrated into every board.

Via this monitor, operating data are accessible to the staff. Transport companies for example enter at this terminal what structural component for further processing they put down where. Out-fitters get to know here what task is to be done next and report back its completion via the operating data acquisition software.



Important Information also in Paper Form

For these processes, it is though always necessary to “log in”. In order to avoid this, the most important information is presented beside the monitor on the same planning board also as printouts. Data sheets and procedural instructions are kept safe from draught and contamination in the WEIGANG Display Pockets. The transparent protective pockets possess a magnetic backside which allows a reliable however reversible attachment to the ferromagnetic planning boards.

Moreover, wall pockets are attached to the visualisation boards, containing printouts of sectional drawings for quick availability. Card holders ensure a clear rubrication and structuring of the displayed information.

Reinhard Kolthoff, graduate engineer, is pleased: „Together with the WEIGANG organisational and visualisation experts, we developed a concept allowing staff information virtually without loss of time“. As a staff member of the section equipment in docks 1-4 of Meyer Werft, he was responsible for the introduction of the „board-aided“ information system. After a trial phase which took several months, 26 WEIGANG visualisation boards are successfully in operation in Papenburg since autumn 2009.

This visualisation board in the section equipment department shows a touch screen monitor on the left side and drawings protected by display pockets on the right side. Below them, transparent wall pockets are installed which, if needed, may contain information brochures for take away. Photo: WEIGANG-Vertriebs-GmbH



The visualisation boards at Meyer Werft serve as important information interface between different working groups. Photo: WEIGANG-Vertriebs-GmbH



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