FUTURE PROOF PLATFORM

With the new HMI, Damen has launched a future-proof platform. All software is fully tested in our test centre before being deployed to our vessels. Software updates can be applied quickly. They are installed in much the same manner as on a mobile. When a new release is available, the crew decide when to implement it on board, in a safe, cyber-secure fashion.

THE POWER OF INNOVATION

The Damen Human Machine Interface is the result of innovation and close cooperation between Damen and VanBerlo.

PUTTING THE OPERATOR IN CONTROL

HUMAN MACHINE INTERFACE

The Damen Human Machine Interface has won the UX Design Award 2019.

The Damen Human Machine Interface is the result of innovation and close cooperation between Damen and VanBerlo.

For more information, visit damen.com
INTUITIVE DESIGN
An intuitive, full integrated class approved system comprising a nautical dashboard for the captain and technical dashboard for the chief engineer.
Information is displayed on the bridge, main deck and switchboard locations to ensure safety and efficiency of operations. The screens – with day and night view – are clear, supporting the captain and chief engineer by showing only what is needed during operation, whilst allowing operators to select more detailed data when desired.

NAUTICAL DASHBOARD
The nautical dashboard shows relevant information for the navigation of the vessel, such as heading and speed, echo sounding, fuel consumption and thruster and engine data.

TECHNICAL DASHBOARD
The ‘health’ status of the main engines, thrusters and generator(s) can be monitored. While the most frequently used equipment can be controlled, such as engine room fans and general service pumps.

DAMEN STANDARD SOLUTION
- Drawing on Damen’s proven philosophy of series building
- A standardised system
- In-house designed, developed and maintained
- Rapid crew familiarisation
- Future-proof platform
- Software fully tested in our test centre
- Safe and cyber secure
- Available on our Next Generation Tugs

Operating a tug can be a challenge, decision making must be done quickly and under pressure. Digitalisation can play its part in making the job safer by providing the crew detailed information on the operation at hand.

Damen developed a Human Machine Interface (HMI) giving the crew relevant information on what is needed, when it’s needed and where it’s needed.

HUMAN MACHINE INTERFACE
SAFE, RELIABLE, EFFICIENT

WINCH CONTROL INTEGRATED
During towing operations, information relating to the winch is displayed, along with only the crucial parameters allowing the monitoring of the main population and safe operation. The winch is controlled by a joystick for easy, one-handed operation. For a safe one person operation the captain can use the standard foot pedals to control the winch and keep his/her hands on the thruster controls.

KNOW YOUR LIMITS
The in-house developed Electronic Stability Protection system assists the operator in assessing the vessel’s limitations. This safety conscious feature is the first step towards Damen’s active stability system currently under development.