

Damen Dredging Equipment Acquires NAVGUARD

Damen Dredging Equipment has acquired the dealership of the software package NAVGUARD. This application software, which has especially been developed for hydrographic surveying and dredging operation control, is a valuable addition to the broad range of dredging instrumentation & automation Damen already offers.

The NAVGUARD software package consists of various modules for positioning the dredger and its digging tool, for positioning survey launches, gathering depth-sounding data and for processing logged hydrographic data in the survey office. Using this software the dredging efficiency is enhanced, the dredging activities can be checked and maps and charts can be brought up to date easily.

NAVGUARD has been represented by Mr Van der Niet until autumn last year. When he passed away the absence of a successor made his widow to transfer all NAVGUARD's activities to Damen Dredging Equipment. Damen will continue all relevant business including service activities following her own high standards.

On board of dredgers the NAVGUARD system uses as hardware one or two DGPS antennas as well as inclinometers and similar sensors for determining the position of the dredger and its digging tool. Operations are displayed in top view and cross-section showing the digging tool relative to the actual and the designed dredging depth. The actual depth is real time updated. The software, running on normal PC's under Windows, thus supports the dredge master in controlling the dredging activities.

On survey launches DGPS antennas and echo sounders are used to gather all relevant hydrographic data, which can be post processed in the survey office for editing, applying tidal corrections, plotting charts and creating colour matrixes, profiles or surface models, executing volume calculations etc. NAVGUARD is widely used in the dredging industry and has proven its user friendly approach to enhancing dredging efficiency.

<https://www.hydro-international.com/content/article/damen-dredging-equipment-acquires-navguard>
