AT WORK

TOPCON SOKKIA

Barge equipped with 3D Machine Control GPS System

At Son Doong Port in Ha Tinh City, Vietnam, Taiwan's Formo is building a 7.5 million ton integrated steel mill and a super-large port that can accommodate 300,000 ton cargo ships. The port construction portion of this project is being managed by Samsung C&T, and the port site and docking facilities are under construction.

For this project, Sokkia Korea was asked by Samsung C&T to build a system by equipping the barge with a real-time GPS system so that local workers and work management supervisors can easily check the location and work status. Accordingly, Sokkia Korea decided to introduce the 3D MC system to barges.

By mounting the monitor in a location where the barge operator can easily see it, the data on the barge's working position and direction received from Twin GPS is

displayed on the monitor's work drawings at a glance, making it easy to understand and confirm the work situation. Both field workers and managers say that the barge's movement path is displayed and that the coordinates of the current location can be checked using GPS. There is no need for a separate survey line and the progress of the work can be checked at once. The monitor is also easy to operate, which is a great help to the work.

At a traditional site, the survey ship

positions the barge, which must then be checked again by the survey ship after the barge has worked the area. If there was a change in the position of the barge due to waves, the position of the barge had to be adjusted and then reworked. However, with the introduction of this 3D MC GPS system, work can be done while immediately checking the position change. It is said that it has become a working environment where work distribution is possible.

The equipment introduced and installed this time is the Dozer 3D MC System, which was implemented according to the user's needs by adapting and installing the equipment to suit the barge.

3D Dozer System

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