



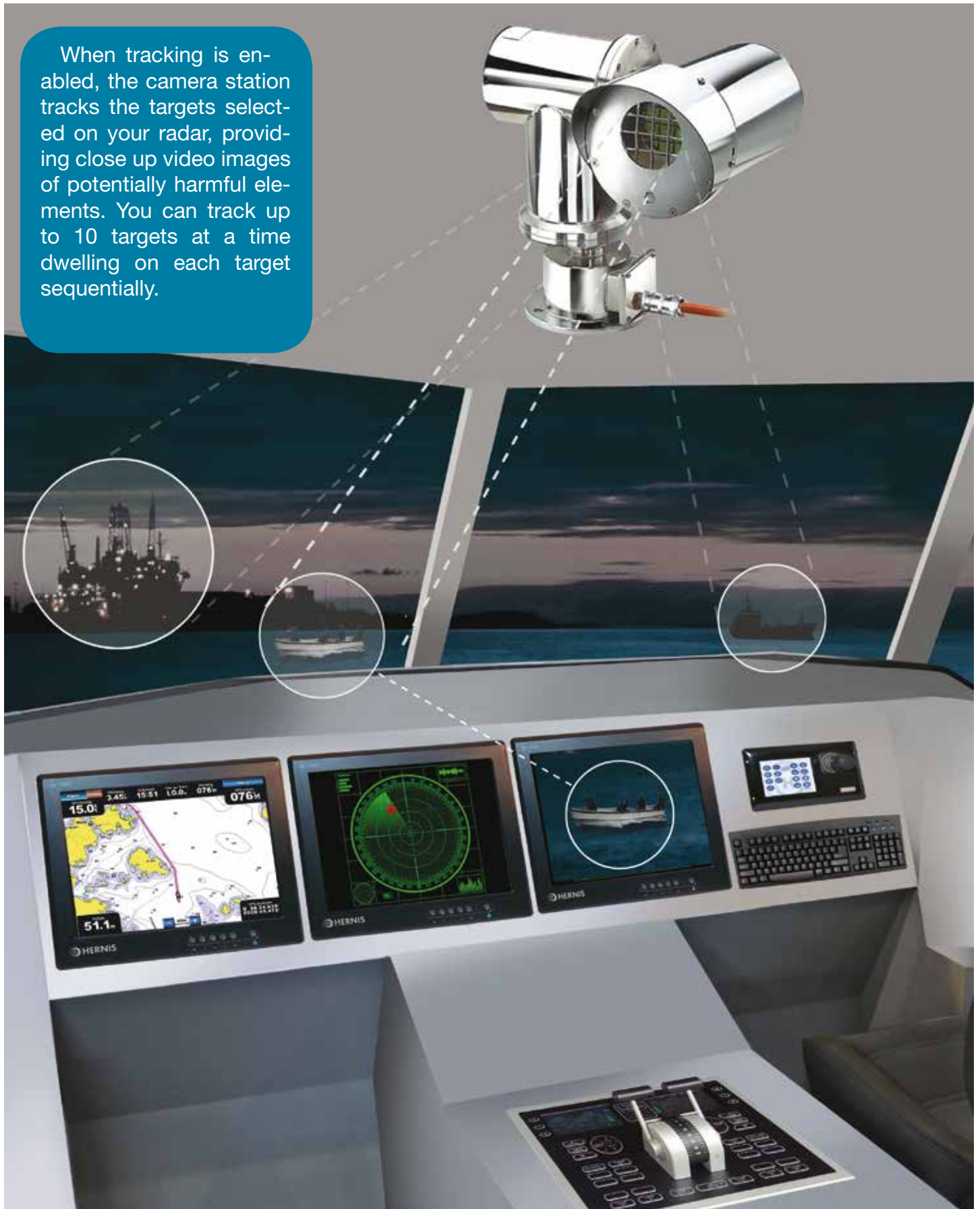
# HERNIS Radar Tracking CCTV

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## HERNIS Radar Tracking CCTV Solution

When tracking is enabled, the camera station tracks the targets selected on your radar, providing close up video images of potentially harmful elements. You can track up to 10 targets at a time dwelling on each target sequentially.



## Enhanced safety with HERNIS Radar Tracking CCTV

By observing the radar targets on live video the operator is able to improve his threat assessment ability and reduce the impact of encounters with potentially harmful or criminal elements. HERNIS Radar Tracking CCTV enhances the safety for your assets, as a stand alone system or as part of your complete HERNIS CCTV solution.

The HERNIS Radar Tracking Solution can be delivered as a compact stand-alone system or integrated in your larger HERNIS CCTV solution, enhancing the safety and security for your people and equipment.

Different HERNIS camera stations will be chosen for their ability to meet customer criteria, such as;

- Purpose
- Distance
- Physical environment

to offer the optimal solution in each project.

By employing a dual camera station the operator can choose between CCD and thermal images providing optimal viewing in the different conditions prevailing. HERNIS offer dual camera stations for both EX and Safe areas.

The HERNIS camera station tracks the

targets selected in your radar system via messages received from the radar system on the NMEA protocol format (National Marine Electronics Association). The CCTV system gains access to the target's positioning data once the target has been selected on the radar. You can track up to 10 targets at a time, dwelling on each target sequentially for as long specified in the configuration. The default dwell time is 10 seconds.

When radar tracking is enabled you control the camera by simply selecting a target with the cursor on your radar screen. The camera will immediately position itself to track the target you specified upon receiving the positioning data.

When tracking is disabled, the camera station can be controlled manually by the dedicated touch control panel HERNIS OK160, that provides smooth

operation of the Radar Tracking camera and functions.

The camera station can not be released and controlled by any other HMI.

A Configuration Tracking Program is included as standard for easy configuration of the Radar Tracking unit.



The dedicated touch control panel with joystick and configured buttons provides smooth operation of the camera and tracking functions.

Offering both CCD and Thermal images a dual PTZ camera station such as the EX-285TW PTZ dual is well suited for the radar tracking solution but any HERNIS camera can be deployed.

## Höegh increases safety on 4 new FSRUs with the HERNIS Radar Tracking CCTV solution

Höegh has chosen to enhance the security on 4 FSRUs by integrating HERNIS Radar Tracking CCTV in their overall surveillance and security system. The Radar Tracking solution is a small reliable solution developed to protect the facility and force by providing around-the-clock images of up to 10 radar targets in a 360 degree radius.

HERNIS Radar Tracking solution is compatible with all radar systems following the NMEA 0183 protocol which is the prevailing standard for communication between marine electronic devices such as echo sounder, sonars, anemometer, gyrocompass, autopilot, GPS receivers and many other types of instruments.

The radar sends signals to the camera which tracks the object(s) selected. Höegh has chosen the EX285 dual ptz camera station that offers both thermal and ccd images to secure clear imagery also in darkness, smoke or foggy conditions.

HERNIS has supplied CCTV solutions to Höegh vessels for many years, among them the Shuttle and Regasification vessel Cape Ann shown here. [Photo courtesy of Höegh LNG]



Edgar Huseby, Senior Purchaser at Höegh LNG is focused on safety. "The increase in security incidents and the changing threat picture in the shipping industry require new measures that can reduce impact. Radar Tracking CCTV is one measure that can help us stay safe. Some of the new Floating Storage and Regasification Units will operate in waters where the risk of piracy and maritime terrorism is a concern. The video images of the radar targets provided by the CCTV system is an important part of/supplement to our security system. The HERNIS radar tracking solution provides early

warning in potentially threatening situations mitigating risk for people and property."

Höegh has a leading position in the global maritime transportation sector and HERNIS have supplied solutions to their fleet for many years. The Radar Tracking solution is delivered as an integrated part of the complete HERNIS 500 system designed to meet the security and process surveillance requirements on the FSRUs under construction.



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