

SUCCESS STORY



SeeTec in Action on the High Seas

Project facts

BLUEWATER

Object: Glas Dowr FPSO

Installer: Dexter System Solutions B.V.

Product: Pro Box 15

Cameras: 15

Requirements:

- > Energy and space saving
- > Solid image transmission under extreme conditions
- > Low failure rate

bluewater
Power by People

■ THE CHALLENGE

The Dutch vessel unit "Glas Dowr" is used for storage and offloading of gas and oil on the high seas. At locations where pipelines can't be installed due to the geologic situation, bad weather conditions or insufficient infrastructure, ships like the "Glas Dowr" take over the job.

Since it went on duty in 1997 it has been leased by a large number of oil companies. The crew is in action on a global basis, currently working at the Kitan field in the Timor Sea near Darwin/Australia.

Under such circumstances strict safety instructions go without saying. Every process or course of action has to be under video surveillance for an all-over documentation. For this reason a video surveillance system was installed in 2007 and renewed in 2011. The replacement was owed to the system's change from analog to IP. There was only one company to be considered for the implementation:

Dexter System Solutions B.V. "The combination of Dexter's high-end IP camera solutions and its seamless integration with SeeTec Video Management Software proofed to be the perfect solution for our customer," quotes Ben Braeckman, Sales Manager industrial communications systems at Dexter System Solutions.



■ THE SOLUTION

In summer 2011 Dexter brought SeeTec in as software partner. Especially the software's reliability and its multi supplier approach led to the choice in favour of the German VMS specialist. The project planning, the choice of the appropriate Axis network cameras and the implementation of the system were carried out in a cooperational work.

The surveillance system aboard is exclusively used to monitor the processes and to ensure the strict observance of the security standards. According to Ben Braeckman human interaction is the greatest risk to the automated processes:

"80 % of accidents on board of Floating Production Storage and Offloading Units are results of human failure. Trespassing on closed areas hereby is the biggest risk for the whole dealing and the crew. To avoid and minimize danger and injuries and to guarantee smooth processes without needless interruptions we use the surveillance system."

In the first place processes are being monitored like the discharging of smaller supplier boats or the vessel's own helicopter deck. At every important location Axis Communications PTZ Dome Network Cameras were installed. All together there are 12 AXIS 232D + Network Dome Cameras which have been developed particularly for outdoor surveillance. For a 360 degree video surveillance an additional AXIS 215 PTZ network camera is used. The cameras themselves are protected by an explosion secure body made by Dexter.

Thus the physical integrity of the hardware can be ensured. Due to the fact that the craft wasn't present at the harbour

for the implementation, the system setup and the configuration of all 15 cameras had to be done by remote. Operations at three different points on the vessel are now documented smoothly. One of them exclusively covers the helicopter deck monitoring, while a responsible officer keeps an eye on it. With a rate of 25 frames per second the images are displayed judder-free and without delay.

The recorded footage is stored on a server and can be viewed on the bridge on three dual-monitor clients. The officers on duty are responsible for the surveillance.



■ THE CUSTOMER

Bluewater is very satisfied with the solution and further vessels shall be equipped with similar surveillance systems.

"The working area is highly sensitive. The handling of high-explosive charge makes special demands to the whole equipment, no matter if hardware or software. We found the perfect software partner in SeeTec", comments Ben Braeckman, Head of Project.

In the upcoming future, the whole fleet shall be equipped with SeeTec Software and Axis cameras step by step. Ben Braeckman is happy about this success: *"We convinced of our concept and we fully back the implemented solution."*