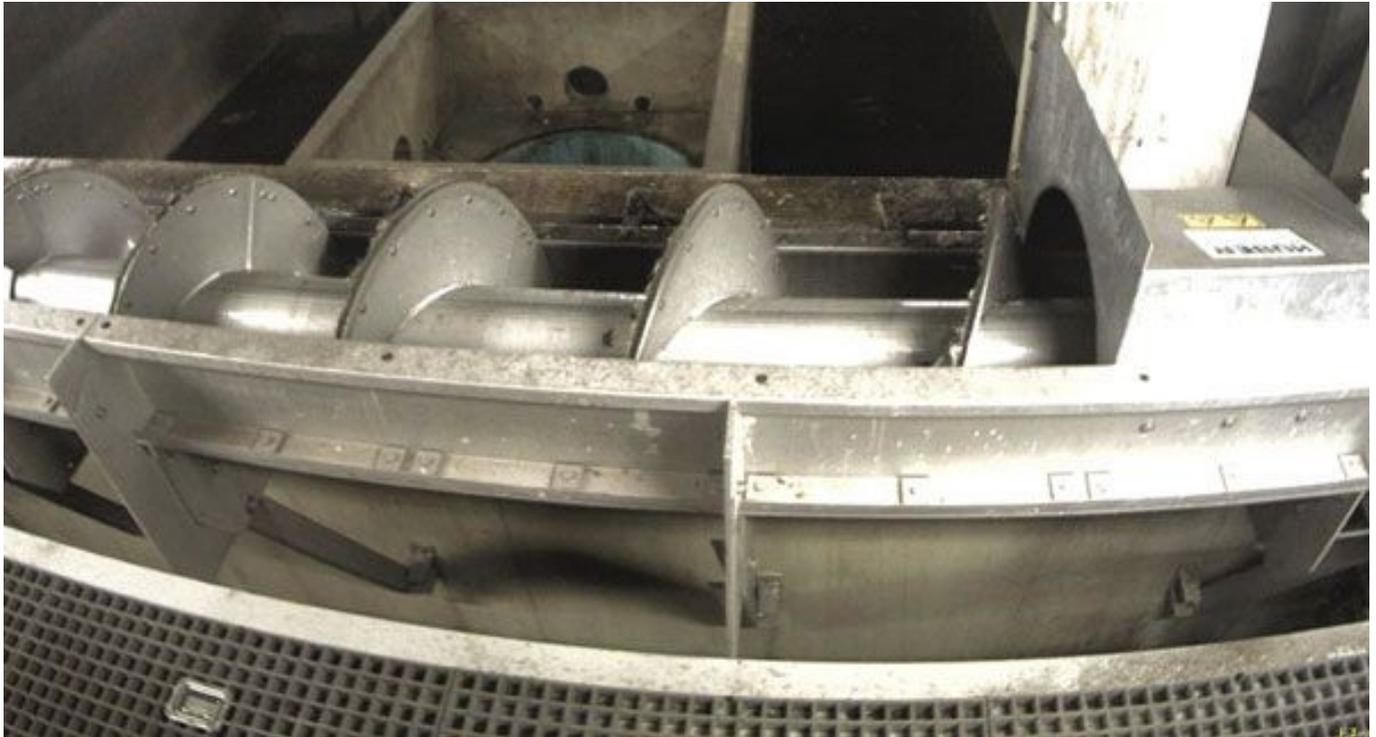# CASE STUDY

SeSys ATEX Cameras Pump Monitoring System

Specialised ATEX upgraded cameras have been used to help monitor pumps and improve health and safety in a storm water chamber in Bristol

Wessex Water has deployed a specialist camera to help monitor the commissioning and operation at one of its largest sewage pumping stations. In March 2010, the company began building a new pumping station at Ashton Avenue near the Cumberland basin in Bristol.

The facility is used for storm pumping in the event of heavy rains and includes a new 400m2 screening chamber that removes debris from the flow. The screens can handle some 8,000l/s of storm water, however, the screening chamber sits in an enclosed water screening building, which David Mining, Wessex's ICA

technical & development manager, describes as an extremely "unpleasant environment".

To enhance health and safety and keep staff out of the chamber as much as possible, Wessex Water has worked with German software company Mobotix and its Hampshire-based partner, security camera specialist SeSys. SeSys has deployed a Mobotix camera, modified to meet ATEX standards for explosive atmospheres, to monitor the pumps.

During the commissioning stage, the camera allowed technicians to adjust the speed of the

Specification subject to change

"We have also integrated the video feed into the local control panel and we can also remotely view any situation over our Wide Area Network," Mining explained.

This installation has proven reliable within the pumping station and Mining believes that the use of CCTV technology in this way helps the organisation to ensure the highest levels of service delivery, especially during times of heavy rain.

pumps remotely.

"We had experience working with SeSys and IP cameras from other projects and it was felt that the technology would be useful especially during the commissioning phase," explains Mining.

"When the pumps are going full speed, the chamber can be an unpleasant place to work and the Mobotix cameras allow us to monitor the process from the control room."

The SeSys SE-ATEX-IP-S-D24 camera uses technology based on a Mobotix D24 camera and was selected based on its ATEX rating, proven reliability in similar hostile locations and high quality images.

About SeSys

SeSys specializes in networked vision solutions. The company focuses on delivering the highest image quality to its customers.

SeSys is a privately owned company employing highly skilled personnel with extensive experience in all aspects of technology and integration of both small and large applications into key operation systems.

SeSys works with its customers to apply its technology in a cost-effective way to provide solutions for all requirements.

With over three decades experience in vision technology, SeSys has established a range of products addressing all aspects of communications with CCTV, including 3G, WiFi, broadband and web based camera systems.

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