



PROTECTING  
COMMUNITY ASSETS  
WITH AN INTEGRATED  
SECURITY SOLUTION

## Shoalhaven City Council Protects Community Assets as it Moves Towards the Future

Panasonic IP security systems deliver high-quality, low-maintenance solution

**Client** - Shoalhaven City Council

**Location** - New South Wales

**Products Supplied** - SUD638, S2531LN, S1531LN

### **Challenge:**

An aging analog CCTV system could only provide limited functionality and image quality, and required a high level of maintenance and burden on existing communication and IT resources.

### **Solution:**

Selecting Panasonic IP Cameras for a low maintenance solution that provided high-quality image capture, and Network Video Recorders installed at large sites to reduce data storage costs and the associated burden on network traffic.

“ We will work together in the Shoalhaven to foster a safe, attractive place for people to live, work, stay and play; where sustainable growth, development and environmental protection are managed to provide a unique and relaxed lifestyle. ”

Shoalhaven City Council 's vision towards 2023



“With IP, not only is the visual quality a huge step up, we have more cameras and less maintenance, which frees us up for other important Council tasks.”

#### **The right solution to protect key assets**

Shoalhaven City is located on the south coast of New South Wales, about 160 kilometres south of the Sydney CBD, with a population of almost 103,000. As it serves the current and future needs of its community, the Council is rolling out new surveillance systems that protect its key assets. With this goal in mind, Shoalhaven City Council has worked with Panasonic to install video surveillance across 10 sites - including community centres, animal shelters, aquatic and leisure centres, water reservoirs and sewage treatment plants.

A further five sites are expected to be added in 2018-2019, including two major upgrades at sewage treatment plants in Bomaderry and Nowra.

In the area of asset protection, the Council has increased the capabilities, quality, and reliability of its video surveillance systems by moving from analog technology at key sites, to Panasonic Internet Protocol (IP) cameras that provide high-quality image capture, backed by network

video recorders for high-volume data recording. Simple internet cable installation makes it fast to get systems up and running.

Stuart Dryburgh, Communication Technician, Shoalhaven City Council, said: “Previously we had less analog cameras but more maintenance - with IP, not only is the visual quality a huge step up, but we have more cameras and less maintenance, which frees us up for other important Council tasks.”

#### **A cost-effective solution over time**

With the costs of data storage and the associated burden on network traffic an important consideration when expanding a surveillance network, the council is benefiting from installing network video recorders for local storage on large sites.

This allows Shoalhaven City Council to cost-effectively meet Environmental Protection Agency requirements at locations such as the Ulladulla Waste Depot, where vehicle and weighbridge information must be backed up for 12 months once collected.

Stuart Dryburgh explained: “Where our analog systems could only store around three weeks of footage, we can now store 44 terabytes and about 500 days of 24/7 recording.”

The Council has also begun transitioning to H.265 high data compression technology as it updates its sites. At the Bay and Basin Leisure Centre in Vincentia, H.265 cameras provide the crisp imaging and fast motion detection needed for monitoring around the clock

in the 24-hour gym facility, while the built-in smart technology compresses images to reduce the load on storage infrastructure. IP cameras are also installed throughout the aquatic centre to provide a secure environment for customers, with two 6-terabyte video recorders allowing retrieval of any footage that needs to be reviewed by police or other authorities.

#### **Keeping the community safe**

Stuart Dryburgh said that feedback from staff at the centre had been very positive. “When we first started putting in the IP cameras, management saw the difference, and were keen to have the technology throughout. The older cameras could miss important vision, particularly with motion - now they can see the site much more clearly and have 24-hour backup.”

Systems already currently installed in Shoalhaven sewage treatment plants provide 24/7 plant monitoring so staff can view ladders and sewer inlets, as well as covering after-hours security. The Bombaderry and Nowra sewage treatment plants will be the next locations to receive the benefits of an H.265 installation.

Ranjit Sohoni, Product Marketing Manager, Security Systems, said: “We’re pleased to be able to support Shoalhaven City Council with reliable, future-proof security solutions as they work to ensure that services and infrastructure continue to meet the needs of the local community.”

#### **For more information**

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