

Case Study: Pump Sensors - RSL Tobruk

About RSL Tobruk

RSL LifeCare is a retirement village in Austral that has enriched people's lives and created connected, supportive and vibrant communities.



RSL Tobruk

The Problem

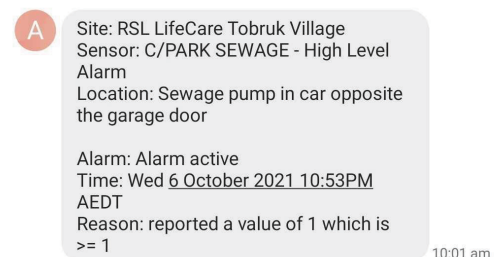
The retirement living village "Tobruk" in Austral experienced costly stormwater damage to the lifts due to flooded lift pits which damaged the lift equipment, requiring expensive repairs (appr. \$50,000) and downtime to the lifts, which are vital to the residents (3-4 storey buildings).

The current pump system needs to be maintained manually, which is labour and cost expensive. Therefore manual observations tend to be infrequent, leading to missed flooding events and causing damage to the asset.

The Solution

All buildings and facilities have water level sensors and pumps on-site to pump out excess stormwater etc. WBS has addressed the problem by connecting a cost-effective sensor to the existing system to enable:

- **Real-time cloud status monitoring**
- **Exports & historical status and event data**
- **Emergency event SMS notifications**



Emergency event SMS notification

The sensor solution installed by WBS connects to the on-site plexus network made up of 149 EMIIoT networked emergency lights to enable a cost-effective, wireless and stable connection to the cloud.

The asset management team of the facility, overlooking an extensive portfolio of properties, will now be alerted by SMS in the event of an emergency to perform preventive maintenance. Therefore, avoiding excessive damage to facility assets and inconveniencing the residents of their facility due to asset downtime.



Plexus Console web application displaying real-time & 24hr historical data for RSL Tobruk

Notification subscribers

Not subscribed

SUBSCRIBE AA HG JS LH

Notification triggers

Deep Floor Well Float	Notifications ^ 1	Upload v 1 ^ 2 - 1
undefined	Notifications	Upload v 1 ^ 1 - 1
Deep Floor Well Overload	Notifications ^ 1	Upload v 1 ^ 1 - 1
Storm Water Power	Notifications v 1	Upload v 1 ^ 1 - 1
Storm Water Float	Notifications ^ 1	Upload v 1 ^ 1 - 1
Storm Water Overload	Notifications ^ 1	Upload v 1 ^ 1 - 1
Deep Floor Well Power	Notifications v 1	Upload v 1 - 1
Battery Voltage	Notifications	Upload - 1
Battery Charge State	Notifications	Upload - 1

Plexus Console web application configuration & notification settings



Installed Plexus Pump Sensor



On-site installation being conducted by WBS Technology