Case Study:

Access 1 Security Systems installs Bosch access and alarm system on The Raft

The Raft is Perth's new open-air floating entertainment venue, permanently moored on the Swan River with city views and private access via tender vessel. The floating venue needed a reliable security system that could withstand the nature of the application. They chose Access 1 Security Systems to provide the solution.

The Raft is an iconic open-air floating event space permanently moored on the Swan River in Perth, WA. The 250-patron capacity venue features a spacious open deck with custom designed furniture, a deep ocean tiled bar and sand stone bench tops reflecting WA's coastal landscape. The venue required a security solution which would secure The Raft across 3 areas including; the external perimeter, internal deck area and internal office and plant areas.
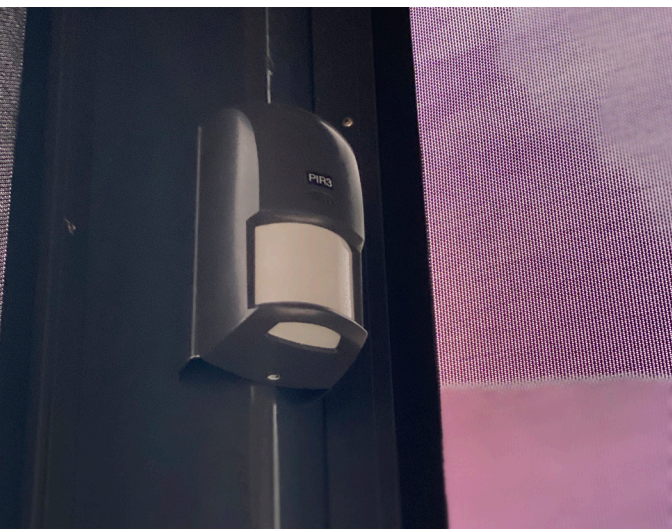
Access 1 Security Systems, directed by Andrew Herrmann, designed the system alongside lead technician, Angelo Sanginiti. The complex nature of the application located in water without permanent power and cabling access meant Access 1 Security Systems had to ensure the security solution was fit for all weather conditions, whilst also meeting the aesthetic requirements of The Raft.

The alarm system installed was a Bosch Solution 6000 alarm and access control system, featuring dual end of line tampers on each zone. Bosch OD850 external sensors were also installed on the
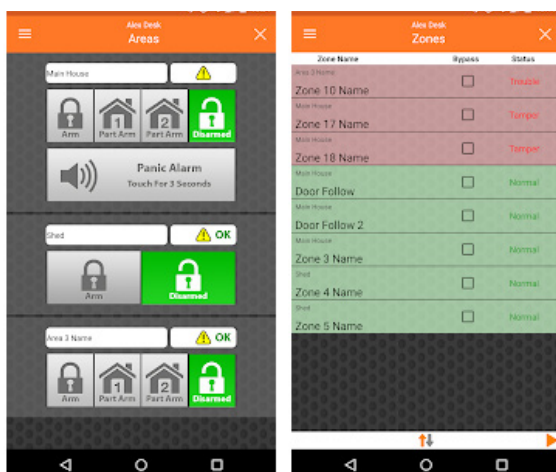
Multiple Bosch Solution 6000 proximity keypads & Professional Series detectors were installed around the venue.

Bosch OD850 external motion detectors painted in dark grey to match the design of the venue.

Bosch Solution 6000 can be controlled through the Bosch MyAlarm app.

main decking areas of The Raft, with Bosch Professional Series Tritech motion detectors in the main office areas. Reed switches were fitted to external doors.

The Bosch Solution 6000 was chosen as it satisfied all the requirements of The Raft's unique application, with access control, alarm and reporting features. It was chosen due to its quality and finish, and easy application of use for the client. Due to the location of The Raft being permanently on water, the Bosch Solution 6000 was an accommodating choice as it can be controlled and managed remotely through the Bosch MyAlarm app.

Expanders were installed to allow for splitting of areas. Bosch OD850 Series Outdoor TriTech Detectors were used across the main deck of The Raft. These outdoor detectors feature passive-infrared (PIR) and microwave detection with advanced signal processing. Two Bosch ISC-PDL1-WA18G Motion Detectors were located in the main office areas. These detectors are exceptionally suited to commercial indoor applications due to tri-focus optics which eliminate coverage gaps and deliver super catch performance. A Bosch TCP/IP module was installed to ensure high-speed data transmission and constant network supervision.

Due to the importance of aesthetics for a venue like The Raft, all detectors were painted to coordinate with the venue's colour scheme. Any cabling also needed to be concealed. The marine environment of the application meant that all devices had to be weatherproof.

The Raft entertainment venue located on Perth's Swan River

The location of the venue presented challenges in the installation process of the Bosch Solution 6000 alarm system. With no permanent power or cabling access, the alarm system is supported by a solar array and back up batteries. Other challenges of the installation included "a tight working time frame, and a strict maritime working environment, as well as the difficulties of working from boom lifts over water", stated Andrew Herrmann.

The Access 1 Security Systems team were thrilled with the system's performance, as well as being proud of having integrated a comprehensive electronic security solution for an iconic venue, said Herrmann. He stated "it's a great system that leverages the latest security and networking technologies, and it's a job well done".
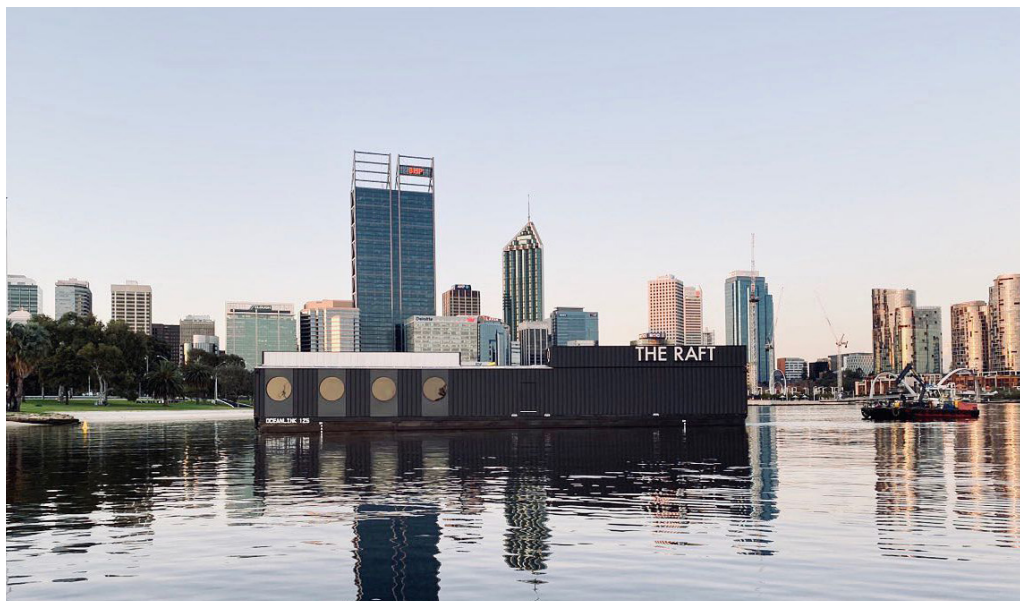

Solar panel array supporting the security solution

Angelo Sanginiti (left) and Andrew Herrmann (second from left) from Access 1 Security Systems

Equipment
Bosch 6000 Kit
CM710B LAN Expander
1 x CM705PB Universal Expander
2 x ISC-PDL1-WA18G Detector
Bosch OD850 External Detector

Bosch RW (white)
Bosch TCP/IP Module
CM720B Power Supply 1 Amp

Solutions Partner
SOURCE SECURITY SYSTEMS

Unit 1/1 Natalie Way
Balcatta, WA 6021, Australia
Ph: (08) 6444 9704
www.sourcesecurity.com.au

Security Integrator
Access 1 SECURITY SYSTEMS

Unit 7, 22 Irvine Drive
Malgala, WA 6090
Phone: 1300 855 781
www.access1security.com.au

End User

31° 57'40.0"S 115°51'03.2"E
Perth, WA 6000
Phone: 0468 929 446
www.theraftperth.com.au

Manufacturer
BOSCH

Suite 1, Level 2, 21 Solent Circuit,
Baulkham Hills, NSW 2153
Ph: 1300 026 724
www.boschsecurity.com.au