



CASE STUDY

ENVIRONMENTAL RESEARCH FACILITY WITH LUXURY ACCOMMODATION



HARMONY BETWEEN NATURE, CULTURE AND HUMANITY

The Bazaruto Archipelago, a WWF-acknowledged national park, is home to some of the richest yet least-explored subtropical ecosystems of the Indian Ocean. Still, it's also a region threatened by industrial development and over-fishing. The Mozambican coast is sometimes described as Africa's Lost Eden with its cobalt seas, subtropical forests, and diverse ecosystems.

Technoswitch was approached by the developers of a world-renowned research facility to design a fire detection system that would protect each individual thatched residence and the research laboratories within the complex on the island.

This facility combines conservation with luxury accommodation and is committed to a conservation program that pairs community development with environmental research to discover the archipelago's unique habitat and marine ecosystems. Built from natural, sustainable materials, the residence is wholly integrated into the habitat and area.

Phase 1 – **Extin Maputo** was chosen to install Technoswitch's range of Weatherproof ORYX 2 and 4 zone conventional fire panels. In total, 19 panels were installed with SensoMAG detectors to provide a reliable and cost-effective solution to ensure the villas are protected.

Phase 2 – The site has a large number of villas and luxury accommodation. The obstacle was that the villas couldn't be networked together by fibre or by copper. This posed a risk; therefore, Phase 2 was commenced to upgrade the system, whereby the standalone systems could be centrally monitored by a GSNet graphical software system over an IP backbone.

INDUSTRY

- **Hospitality**
 - Luxury Accommodation
 - Research Facility

PRODUCT INFORMATION

- **Phase 1**
 - ORYX202 & ORYX204 Weatherproof Fire Panels
 - SensoMAG Optical and Multi-criteria Detectors
 - SensoMAG Manual Call Points
 - Klaxon Sounder / Beacons
- **Phase 2**
 - GSNet Monitoring Software with 18 additional IP connection drivers
 - 1 Loop Intelligent Control Panels
 - 2 Loop Intelligent Control Panels c/w 2 Loop Card
 - Discovery Optical Smoke Detectors
 - Discovery Multi-sensor Detectors
 - Discovery Waterproof MCPs with Isolator





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PHASE 1



ORYX202 & ORYX204
Weatherproof Fire Panel



SensoMAG Optical and
Multi-criteria Detectors

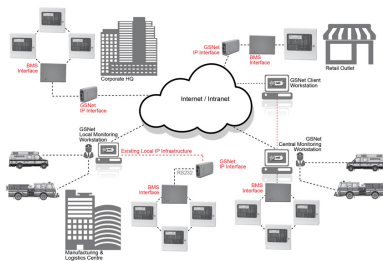


SensoMAG Manual Call
Points



SOUNDER BEACON AC
- IP65

PHASE 2



GSNet-PLUS with 18 additional
IP connection drivers



AE-TC5101 - 1 Loop Intelligent
Fire Alarm Control Panel



AE-TC5202 - 2 Loop Addressable
Control Panel c/w 2 Loop Card



AP-DIS-O - Discovery
Optical Smoke Detector



AP-DIS-MS - Discovery
Multi-sensor Detector



AP-DIS-WMCP2 - Discovery
Waterproof MCP with Isolator

• **DISCLAIMER:** Although the contents of our product literature have been prepared with the greatest care, Technoswitch can accept no liability whatsoever for any direct or indirect damages of any kind that may arise due to either errors or omissions in them, or amendments to products or other specifications following publication.

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