

CASE STUDY: USHAKA SEA WORLD DOLPHINARIUM



This is the first night-time study of dolphins, so it's very exciting to have the Cathexis software to assist us with this study.

- Corrine Buhmann, MSc Marine Biology

THE CHALLENGE

Durban's uShaka Sea World is home to a family of bottlenose dolphins. The South African Association for Marine Biological Research (SAAMBR) cares for the dolphins, and animal welfare is SAAMBR's highest priority. To study dolphin behaviour to support their welfare, the SAAMBR periodically needs to observe the dolphins for 24 hours a day.

The challenge was to observe dolphins under low-light conditions, with a user-friendly interface. Previously, low light, non-infrared, night-time footage was not available. Night-time camera footage would make it possible to analyse dolphin behaviour around the clock.

Durban, a sub-tropical city on the east coast of South Africa, is the hometown of Cathexis. We were happy to donate the licenses to assist in the observation and analysis of dolphin habits, doing our part to support dolphin welfare.



SUMMARY

CUSTOMER: South African Association for Marine Biological Research

VERTICAL MARKET: Research/Conservation

LOCATION: uShaka Sea World, Durban, South Africa

DISTRIBUTOR: Compass Visual Security

INSTALLER: Enforce Security

APPLICATION: To provide a system to enable dolphin observation 24 hours a day, with advanced video search tools to allow for analysis of the footage, and an easy-to-use interface for users without security control room operational experience.

PACKAGE: CathexisVision Professional

FEATURES:

- IP camera support
- Advanced video search
- Third-party integration capability



SOLUTIONS



We teamed up with Axis Communications as a technology partner, and Enforce Security as the system integrator.



CAMERAS

The solution for the CCTV installation included

- 6 Axis cameras on site
- 5 P3245-VE cameras
- 1 M3105-VE camera

With the P3245-VE cameras, both **video and audio recordings** are an option.



INTERFACE

As the marine biologists who study the dolphins do not have a security background or control room operational experience, Cathexis's **user-friendly interface** and toolsets complement the other parts of this installation.



STORAGE

We provided an on-board storage solution with a Cathexis server.



At the **uShaka Sea World Dolphinarium**, the **CathexisVision VMS** solution works effectively with surveillance **cameras** to provide researchers with a **user-friendly system** with which to observe and **study dolphins**.