

# CASE STUDY: IZINGA ESTATE



## THE CHALLENGE

Izinga Estate is a high-end residential estate composed of four separate gated communities. Designed for discerning buyers who are looking for luxurious coastal living combined with the tranquillity of coastal life, Izinga Estate has become one of the most sought-after residential investments in the region. The estate is characterised by wide open spaces, walkways, and indigenous landscaping.

The requirement was to work with consultants and partners to design a solution that would ensure the safety and security of residents and staff of the estate, and improve the operational processes of the site. The solution therefore required a fully integrated Video Management Software (VMS) system that would successfully support the surveillance and third-party security systems for the entire estate. The VMS system had to demonstrate a powerful and efficient ability to allow for exceptional control room monitoring and reaction and prove its efficiency in the harshest climate. The estate security system presents several challenges, including multiple entry and exit points, as well as a vast perimeter and the topography of the site.



## SUMMARY

**CUSTOMER:** Izinga Estate

**VERTICAL MARKET:** Residential Estate

**LOCATION:** uMhlanga Ridge, KZN, South Africa

**PARTNERS:** Excellerate (Enforce), Adamastor Consulting

**APPLICATION:** Fully integrated VMS system for exceptional control room monitoring and reaction capability.

**PACKAGE:** CathexisVision Premium

### FEATURES:

- ANPR
- Access control integration
- Optex Redwall integration
- Video analytics
- Alarm Management
- Smart Search
- Video wall
- Maps



## SOLUTIONS



The Cathexis Video Management solution and software suite CathexisVision Premium was chosen for its extensive range of sophisticated surveillance options, tools, and functionality to satisfy all the security and infrastructure management requirements of this site. The scalability of CathexisVision Premium also ensures that all future requirements will be accommodated.



### CAMERAS

Fence-mounted thermal cameras were used to protect the perimeter, on which the CathexisVision Video Analytics algorithms were implemented. The analytics included the Cathexis “dynamic background” modelling which effectively reduces false alarms by “learning” the environment. Additional optical cameras, including PTZ cameras, were installed at critical locations. Several of these cameras also have Video Analytics enabled and configured according to the specific demands of the site.



### ANPR SYSTEM

Automatic Number Plate Recognition (ANPR) cameras were installed at various points on the estate, enabling the control room operators to flag any suspicious vehicle activity and create blocklist and/or whitelist groups.



### CONTROL ROOM MANAGEMENT

The control room includes multiple operator CathexisVision Client operator stations, a Video Wall with automated video switching on events, an Alarm Management Gateway and integrated Maps. The system also includes the CathexisVision Adjacent Camera Mapping feature. The operators also make full use of the Smart Search features to find specific video incidents.



### THIRD-PARTY INTEGRATIONS

Integration with Impro Access Control allows the system to take actions on specific access control events, and store access control transactions and associated video footage in a database, which is easily “mined” for forensics analysis. Integration with the Optex Redwall infra-red detection solution provides a system “tracking” capability when used with both fixed and/or PTZ cameras on site.

Exceptional **integration capability, real-time monitoring**, and the ability to operate **reliably in any climate**, make Cathexis a leading global provider of property surveillance solutions.