

CASE STUDY: ANGLOGOLD ASHANTI



The CathexisVision solution offers the **flexibility and functionality** to meet the requirements of **mining environments** – protecting people, infrastructure and assets.

THE REQUIREMENT

AngloGold is an independent, global gold mining company with a diverse, high-quality portfolio of operations, projects and exploration activities across nine countries on four continents. AngloGold Ashanti employs over 30 000 people and is one of the world's biggest producers of gold.

AngloGold Ashanti required a security solution that would promote the occupational health of its staff, together with the safety of infrastructure and resources, often in hostile physical environments.

Multiple components needed to be harmonised, including guarding, CCTV cameras, access control, fences, fire protection, alarms, x-ray systems and plant management.

Additionally, AngloGold Ashanti required migration from analogue CCTV to a digital system.



SUMMARY

CUSTOMER: AngloGold Ashanti

VERTICAL MARKET: Mining

LOCATION: South Africa, Democratic Republic of Congo, Ghana, Guinea, Mali, Tanzania

APPLICATION: Surveillance for security and infrastructure management; video management for extensive CCTV cameras networks across multiple geographical locations; and migration from analogue to digital

PACKAGE: CathexisVision Premium

FEATURES:

- IP camera support
- Video analytics
- Third-party integration capability
- Interactive site maps
- Health monitoring of hardware & software integrity



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CATHEXIS



CAMERAS

AngloGold Ashanti's CCTV installation comprises over a thousand cameras distributed across multiple locations, including mines, plants, and offices in South Africa, Ghana, Tanzania and Guinea. For more than 15 years Cathexis has made these sites accessible remotely for support and centralised monitoring using the flagship VMS System, CathexisVision.



VIDEO ANALYTICS

CathexisVision's advanced video analytics are able to detect motion, differentiate humans from animals, and identify presence in designated zones or across lines. These tools work together to detect threats such as people entering forbidden areas containing equipment, plant, or valuable assets. AI analytics also protect the extensive perimeters of AngloGold Ashanti mines, sounding alarms or alerting the control room of breaches, and ensuring a 24/7 response.



CONTROL ROOM

AngloGold Ashanti sites require over a thousand video feeds to be monitored simultaneously. With CathexisVision, multiple sites and third-party integrations can be managed from a central command centre. The software supports both localised and distributed control room access and management, allowing operators to manage security on site or connect in from head office. Solutions such as CathexisVision's Alarm Management Gateway alert operators to events, and black-screen monitoring displays relevant footage only when events are detected. Operators use intelligent Smart Search tools and interactive site maps to identify and locate incidents easily, facilitating a timely and informed response.



MIGRATION

CathexisVision can integrate with existing analogue systems, bringing them up to speed with the latest IP technology. In addition, CathexisVision supports most popular brands of IP cameras, using ONVIF or proprietary protocols.

“What has impressed us most about Cathexis is the fact that they are always willing to engage with us and adapt their system to our unique requirements. Their attitude towards customer service is something that sets them apart.”

- Rudi Louw, Global Security Manager, Technology & Sustainability

CathexisVision protects the employees, plant, equipment, and resources at AngloGold Ashanti with a tailored solution for managing multiple third-party systems and extensive camera networks.