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Case Study: Sentosa

Sentosa is a leisure and lifestyle destination with an exciting array of themed attractions which appeals to both leisure and business visitors. Being a popular island resort in Singapore, it receives almost twenty million visitors per year.

With today's digitally savvy and connected guests, technology is a key enabler in Sentosa Development Corporation's (SDC) efforts to create seamless experiences in Sentosa. To further enhance operational readiness and island maintenance in Sentosa:

Anomaly Recognition Video Analytic System (ARVAS) is being deployed on 200 cameras for their video management system.

ARVAS can monitor cameras installed on the island's train stations, roads, tourist spots and walkways. It can detect unusual and suspicious activities and spot safety issues such as unattended young children wandering around.

By locating abnormalities, ARVAS converts the streaming surveillance video into valuable and actionable insights 24/7, bringing improvements to safety, security, operations and maintenance. The system has improved Sentosa's abilities to detect anomalies, allowing for proactive intervention if needed. Extensive trials on ARVAS have been carried out on the island and this deployment represents one of the earliest and largest deployment of a non-rule based, self-learning abnormality detection system in Singapore.

Source:
https://www.sentosa.gov.sg/files/resources/annual-reports/Sentosa_AR_1819.pdf.pdf