Holiday Inn Mauritius Airport

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ELV Services Case Study

Introduction

Opened in December 2013 at the International Airport of Mauritius, Holiday Inn Airport Hotel is designed with 140 rooms, a swimming pool, one restaurant, five conference rooms and a reception theatre. The hotel is luxurious, modern and eco-friendly with a low carbon consumption construction and also in its day to day running.

Mr. Patrice Binet-Décamps, Project Development Executive at Omnicane Limited, recalls the start of the project when they were at the stage of selecting partners, companies and contractors to ensure success.

"I knew EDS some years back whilst managing another hotel group. They were known as innovators in the up-market hospitality sector."

The Challenge

Holiday Inn needed to partner with a Technology Integrator capable of supplying most of their needs for Extra-Low-Voltage (ELV) as a one-stop-shop.

The challenge for EDS was to get everything done on time. EDS engineers gathered the detailed requirements of the hotel from the project manager, promoter, the Holiday Inn operator, the consulting firms and designed the integrated ELV solution.

Holiday Inn
MAURITIUS AIRPORT

"The seamless integration of all those services under one entity make it easy to manage and also ensures prefect integration of all systems."

Patrice Binet-Décamps - Project Development Executive
Omnicane Limited

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Implementation

Structured cabling systems & IP Infrastructure

The hotel is completely wired using fibre optics backbone and category 6 UTP cabling to each of the 900+ data ports. The IP Core is built on Alcatel-Lucent Enterprise data network technology with redundancy. All services are IP connected and may be upgraded to enhance services in future. The VoIP Server is based on Alcatel-Lucent OXE with hospitality interface and Vtech Hotel SIP phones in guest areas, and a wide range of Alcatel-Lucent IP phones for all admininistrative and common areas.

WiFi

The hotel is fully WiFi covered with Alcatel-Lucent Managed secure WiFi. All public areas, conference rooms and guest rooms benefit from FREE WiFi through two different ISPs.

IPTV

The IPTV middleware system is from EONA, a European leader, using Amino set-top-boxes. The system provides guests easy customizable access to the hotel information menus with interface to Opera PMS.
The system also delivers digital signage to each conference room & display of arrival and departure online flights schedule at the reception area.

Security

Online door locks and RFID Energy Saving devices from KABA-SAFLOK, world leader for online door locks systems are installed in each door. This is complemented by HD & Full HD IP Video security throughout the whole premises, including the perimeter, with Infra Red capability for all time security monitoring and special cameras for entrance and exit.

Boardroom Automation & Conferencing

The ultra-modern Boardroom and conference rooms are built around integration of CRESTRON Automation, SONY Enterprise grade projection systems and Interactive ultra-short throw projection with Video Conferencing. Background music equipment solution for lobby, spa, restaurant areas (amplifiers, speakers, microphones, etc.) come from TOA, Japan.
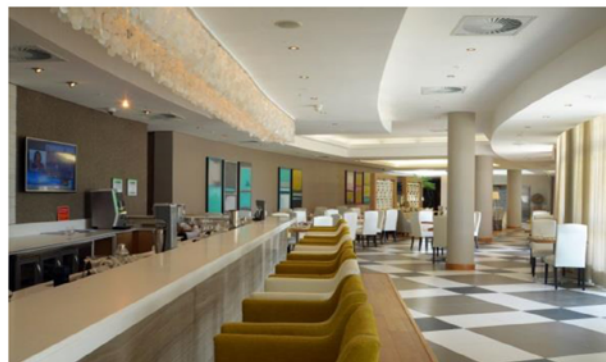
Network design capability, VLAN management and planning are key elements to such multi-service integration and roll out.

"EDS proposed an integrated design-and-built solution with project management for all Extra Low Voltage services (ELV)."

*"As a major integrator for several years, EDS upgraded their services and propose a kaleidoscope of services that all hoteliers would love to have. The seamless integration of all those services under one entity make it easy to manage and also ensures prefect integration of all systems. **Global costs savings amounts to 15-20% with this model**"*

declares **Mr Patrice Binet-Décamps**

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Summary

Holiday Inn Airport Hotel, Mauritius, partnered with EDS on a very tight deadline, to provide all required ELV services, to manage detailed and global projects of third parties for the Property Management Systems (PMS) and the Point of Sales (POS), to ensure proper co-ordination with the different ISPs & service providers and IT set-up.

The ability to liaise with other contractors such as the building contractor, the M & E contractor and the interior design and furniture contractors prove to be beneficial in overcoming normal construction issues.

EDS responds to those needs by providing an Innovative Technology Management Solution through Integrated Project Management, hence procuring substantial savings to the promoter.

Patrice Binet-Décamps states :

"Working with EDS saved us considerable amount of time and money. We did not have to bother about how various companies would collaborate and work together, EDS had it all well planned.

They were setting up everything and the professional attitude and approach they adopt towards the work made it look simple and easy while all services were being implemented on one core system.

Of course there were difficult times, but the company overcame the difficulties as they were responsible for the whole integrated system. They even had to troubleshoot issues that were linked to either Satellite TV reception and GSM/3G transmissions powers and they had high-end engineering approach to resolve in-direct communications issues."

"Through an integrated Technology Project Management programme, EDS delivered all Networks & Telecoms, Physical Security, Energy & Automation, IT and Multimedia requirements for our hotel.

I understand that this is quite unique within the African continent as EDS managers are their own design consultants.

Holiday Inn Airport hotel, Mauritius is proud to now provide the most sophisticated conferencing facilities with Video Conferencing on demand, a fully automated boardroom with interactive-projection managed simply by a tablet or smartphone, an energy efficient building and re-assured guests with online security solutions.

Our project was delivered on time and services running as expected."