

CASE STUDY: 2Y LINK TECHNOLOGY



Customer:
Hotel Grand Chancellor

Industry:
Hotel

Application:
CCTV System

Location:
Singapore



Background

Hotel Grand Chancellor is located on Belilios Road (off Serangoon Road) next to a famous Indian Temple which was built in 1881. It is also within 5 minutes walk away from MRT stations and the famous 24-hour shopping centre within the "Little India" enclave.

Challenge

IPS Securex was awarded a turnkey project to supply, install, commission and maintain the security systems for Hotel Grand Chancellor which opened earlier in 2010 with over 100 cameras in two blocks.

Solution

This project is the first in Singapore to use the latest 2-Y link technology which transmits **both power and video signal for analogue CCTV cameras over a single 2 core bell cable**. This Patented Two-wire Technology is suitable for cable runs up to 2,000 metres without any reduction in video quality, and in fact provides better signal quality than conventional co-axial cable.

Result

Overall installation costs for CCTV system were reduced by 30% due to reduced cabling, trunking and installation costs without compromising on the image quality. Easy installation ensured the project was completed on time for the hotel's official opening.

| COST SYSTEM | Cost of Cable | Cost of Conduit | Cost per 12V Adapter | No. of Power Point Requires | Cost of Per Power Point | BNC Connectors @ \$0.75 per pcs | Processors & Mixers | Total Project Costing |
|--|--------------------------|-----------------------|----------------------|-----------------------------|-------------------------|---------------------------------|---------------------|-----------------------|
| Coaxial cables | \$0.80 per m \$26,880 | \$1 per m \$33,600 | \$12 each \$2,016 | 168 | \$120 each \$20,160 | 336 \$252 | NIL | \$82,908 |
| 2Y Link System using 18AWG Bell cables | \$0.40 per m \$13,440 | \$1 per m \$33,600 | NIL | 21 | \$120 each \$2,520 | NIL | \$8,500 | \$58,060 |

\$25,000 Savings – 30% Cheaper