





6-star technology for the hotel sector.



IMPROVE YOUR DIGITAL EXPERIENCE TO ATTRACT AND RETAIN CUSTOMERS.

HDTV/IPTV DIDEO CONFERENCE CHECK-OUT IN THE ROOM BROADBAND BROADBA

Your guests will increasingly demand higher bandwidth for either leisure or work.

Providing this type of service generally means occupying a great amount of space within hotel's infrastructure, a high number of cables and spending a lot of electric power. On the other hand, guests also ask for a higher ecological awareness and improved use of natural resources. In other words, more efficiency and automation.



The delivery of a good customer's experience depends on an excellent communication network. This is where Furukawa's innovation comes in, ready to offer a more flexible and compact infrastructure.

Laserway solution: fiber to the room as in your home!

Laserway solution is based on passive optical elements that by default are triple play, in other words, can carry voice, data and video resources.

Laserway solution does not request secondary active equipment for signal enhancing and reaches a maximum distance of up to 20 km. As traditional copper networks, on the other hand, reaches a maximum of 100 meters.

It is ideal for large areas like exhibition centers, tourist areas and hotel complexes, where control and management of the network must be centralized and easy to handle.

All these benefits and many others help reduce costs and maintenance time.



OLT LD3032

Laserway solution: ecologic and future-proof.

In an optical network, what defines the bandwidth availability is the active concentrator equipment. Therefore, as time passes, there will be no need to adapt the passive part of network. Guaranteeing a future-proof life to cabling which will need no adjustments for any future generation of equipment. By doing so, the hotel will avoid any future stoppage along the guest areas for cabling replacements and, of course, reduce the disposal of wastes by supporting an ecological high-tech approach in the process.

I The solution allows optimizations of up to*:



Optical networks that add value to your hotel.



Simulation of duct occupation:





Horizontal Cabling - Laserway Network 60 Fiber-Lan 01F cables 87% less occupation Cable mass: 10 kg/km Each 100 m = 60 kg (94% less) Backbone Cabling - Laserway Network 8 Fiber-Lan 08F cables 96% less occupation Cable mass: 40 kg/km Each 100 m = 32 kg (97% less)

Advantages to your business and guests.



Understand the benefits:

- Simplified Infrastructure: the use of passive and compact optical elements along the network allows the reduction of technical rooms and the size of cable trays and ducts.
- Reduction of Power Consumption: due to the reduction in the number of technical rooms necessary for the local network, there is also a reduction in cooling and electrical power supplies. Besides, Laserway solution equipment have low power consumption, because they transmit data through an optical medium.
- Better Band Control: as OLT and ONT equipment are located at the termination points of the optical network in the Laserway solution, the control of used band in each of the ONTs is facilitated. This feature of having a equipment switching the traffic at a central point of the network also fits perfectly with the traffic profile of the current local networks.
- Future-Proof Network: the distribution network of Laserway solution, has a transmission capacity in the order of Tbps (terabits per second). It is known that over time data transmission rates of active equipment increase significantly. The infrastructure implemented today with the Laserway solution is ready to support this future demand.
- Network for Green Buildings: the characteristics of Laserway solution are essential to meet incentive programs to use efficient resources, because they contribute to the reduction of power consumption of cooling systems as well as the quantity of material used in cabling and accessories.
- ☑ Investments Savings: the Laserway solution brings important reductions in CAPEX (material costs) and OPEX (operating costs).
 - CAPEX: project based on Laserway solution enables an optimization of the infrastructure allowing a reduction in the total initial investment in materials, installation and physical space used.
 - ☑ OPEX: the operation and maintenance of the network is simplified, due to smaller technical rooms, reduced number of active equipment and control of all the served ports from a single central equipment. However, the major impact is over reduction of power consumption that may reach up to 70%.

Laserway example for your husiness



* Considering an occupation rate of 70% per vear.



Laserway respects the best international technical references.

 $400 \text{ m}^2 =$

ANSI/TIA-568.0-E - Generic Telecommunications Cabling for Customer Premises

ANSI/TIA-568.1-E - Commercial Building **Telecommunications Infrastructure Standard**

ANSI/TIA-568.3-E - Optical Fiber Cabling and Components Standard

ANSI/TIA-606 - Administration Standard for Telecommunication Infrastructure

ITU-T G.984 - Gigabit-capable passive optical networks (GPON): General characteristics

TDMM 13 - Volume 1 - Chapter 5: Horizontal Distribution Systems - Section 1: Horizontal Cabling Systems -Passive Optical Networks (PONs)

Services and Warranty*

Consultative sales and projects



6



Extended warranty

Furukawa Institute of Technology





Hotels that adopt Laserway solution receive a quality seal, guaranteeing a high quality network and respect for the environment.



HNOLOGY

Check out the network of hotels that already have implemented Laserway:

Brazil Tayaya Resort • Grande Hotel SENAC São Pedro and Campos do Jordão • Olímpia Park Resort* • **Mexico** Staybridge Suites Silao, Iraputo and Guadalajara • Karisma Resort (Playa del Carmen) • Intercontinental Presidente Hotel (Mexico City) • Ritz Carlton Hotel Los Cabos* • **Chile** Bidasoa Hotel (Santiago) • **Colombia** Aviatur Monaprieta Hotel Resort, Las Islas Baru (Cartagena) • **Thailand** Hotel Nikko Amata City **Maldives** Villas • **Indonesia** Raffles Bali • Aston Cilegon Boutique Hotel

* Projects under implementation.







Talk to us

© 2021 Furukawa Electric LatAm S.A. - All rights reserved.