

100% optical technology designed for the educational sector.



Talk to us

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Ensure excellence in education and prepare your network for what lies ahead:





Education 4.0 Preparing students for the *future* requires having the best network infrastructure *now*.

The exchange of information is the essence of organizations working within the educational sector whether they are universities, schools or research institutions.

With major technological and connectivity trends also arriving in the educational area, it has evolved in many interesting forms, thus this revolution being named Education 4.0. The way we deal with educational processes has undergone a substantial disruption, which has changed the way knowledge is acquired and disseminate. One clear example of this new era is the hybrid education, which combines online and face-toface classes, alternating ways to interact and innovating on ways to present content, such as virtual reality, augmented reality, artificial intelligence, gamification and collaborative tools.

Educational institutions must integrate these new technologies to completely change the current educational scenario. Moreover, these institutions also face common challenges, as any other business, such as operational and energy costs or the need to optimize their physical space.

Among the points to be considered in this convergence of technologies in the educational area, it is a fact that, in addition to educational services, there is a link to other areas. Administrative areas, property security, automation and several others must all converge into one single network.

Education 4.0 faces various challenges which are presented to IT managers:

- + How to provide quality connection across the institution?
- What is the best network solution that allows you to support current and future applications?
- How to have a flexible solution that allows prompt changes or changes with minimal operational impact?
- + How to combine sustainability, space reduction and energy savings, alongside the need to offer more and more network resources?
- How to provide more resources with less investment?

To meet these needs and at the same time provide solutions aligned with the Education 4.0 model, it is important that these systems work in convergence with the organization's technological infrastructure.

Furukawa Laserway Solution: enabling Education 4.0 with an enhanced solution

Laserway technology utilizes a single-mode, fiber-optic based network topology with an extremely high transmission rate. A combination of high technology, optical transmission and optical splitters allows a single fiber to serve many network users, with full control by the IT manager. In addition, it also eliminates the need for access and distribution network switches, which have high energy consumption and require special infrastructure and precautions.

Laserway solution meets the demands for hyper-connectivity in all types of educational institutions:



infrastructure deployment Core

Benefits of using Laserway technology



Optical networks for high-rate transmissions

See how Laserway can be applied to your business.









Educational institutions adopting the Laserway Solution receive a quality label, guaranteeing a high-performance network that respects the environment.



Laserway follows all major technical standards internationally:

- 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 Commercial Telecommunication Infrastructure
- ☑ ITU-T G.984 Gigabit-capable passive optical networks (GPON): General characteristics
- TDMM 14 Section 1: Horizontal Cabling Systems Chapter 5: Horizontal Distribution Systems PASSIVE OPTICAL NETWORKS (PONs)

Services and Warranty

Consultative sales and projects

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Extended warranty

Start-up

Furukawa Institute of Technology

24x7 Premium Support





Check out some institutions that are already taking advantage of the Laserway Solution:

Brazil Colégio São Luís • Universidade de São Paulo - USP • Ecuador ISM - International Scholastic Model · Chile Universidad Andres Bello · Mexico Universidad Panamericana · Paraguay Universidad del Pacifico Privada

