

NETWORK CABLING SOLUTIONS

The Intelligent Building

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The Intelligent Building

One of the benefits of the rapid evolution of information technology has been the development of systems that can measure, evaluate, and respond to change. An enhanced ability to control change has sparked developments in the way we design our physical environment, in particular, the buildings in which we work. As a result, we are witnessing significant growth in the area of "Intelligent Buildings"--buildings that incorporate information technology and communication systems, making them more comfortable, secure, productive, and cost-effective.

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What is an Intelligent Building?

An Intelligent Building is one equipped with the telecommunications infrastructure that enables it to continuously respond and adapt to changing conditions, allowing for a more efficient use of resources and increasing the comfort and security of its occupants. An Intelligent Building provides these benefits through automated control systems such as: heating, ventilation, and air-conditioning (HVAC); fire safety; security; and energy/lighting management. For example, in the case of a fire, the fire alarm communicates with the security system to unlock the doors. The security system communicates with the HVAC system to regulate the flow of air to prevent the fire from spreading.

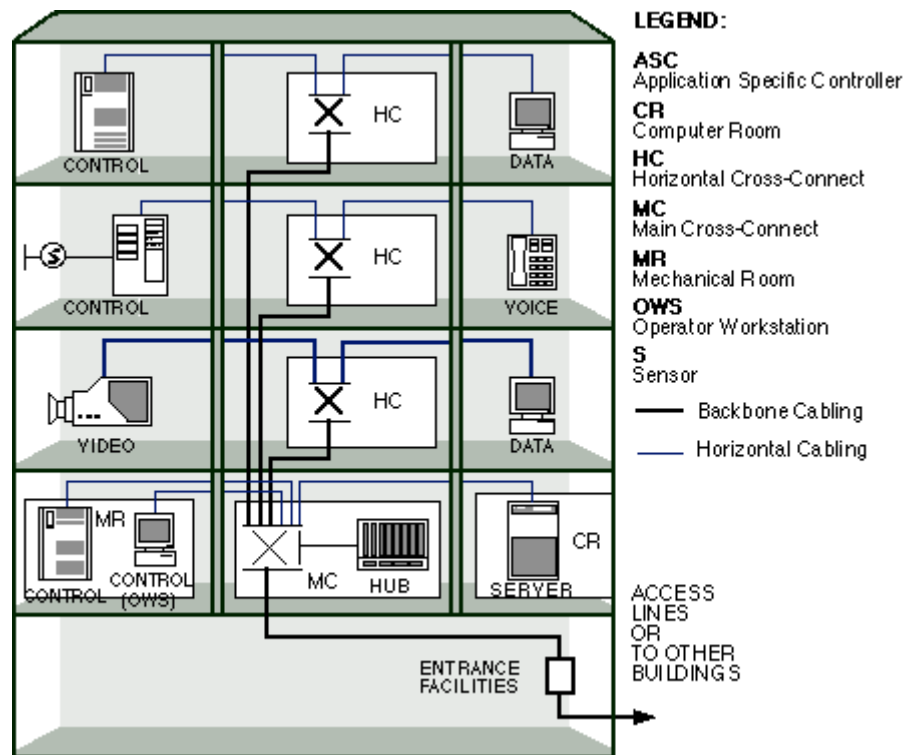


What benefits do Intelligent Buildings offer their owners and occupants? The introduction in the workplace of computers, printers, photocopiers, and fax machines has increased indoor pollution. Electrical and telecommunications facilities in office buildings are under pressure to satisfy the demands created by the rapid growth of computer and networking technologies. These factors have a definite impact on worker productivity. New technology can be used to create Intelligent Buildings that address these problems by providing a healthier, more productive, and less

energy-intensive work environment. As these are critical factors for business success, owners of Intelligent Buildings have a clear advantage in attracting and retaining 21st-century tenants.

How do Intelligent Buildings lead to cost savings?

The Intelligent Building concept recognizes that the true cost of a building is not simply its cost of construction; it must include operating and maintenance costs over the structure's life span. Intelligent Buildings yield cost reductions in all of these areas by optimizing automated control, communication, and management systems. They also guard against repair costs, employee time/productivity loss, revenue loss, and the loss of customers to competitors.



Can an Intelligent Building infrastructure be installed in existing buildings?

Yes. The transformation of conventional buildings into intelligent ones is a NORDX/CDT core competency; it is achieved through the installation of a single structured cabling network. Standard buildings feature disparate cabling with different designs and administration methods from system to system, which contributes to its being less efficient and more prone to system failures. The installation of structured cabling turns a conventional building into an intelligent one, providing it with increased efficiency and guarding it against system breakdowns.

Why are Intelligent Buildings increasingly a business imperative?

Because they contribute to the following business requirements:

- To communicate data quickly and reliably
- To exercise greater control over the work environment

- To improve productivity and cost-effectiveness

In response to these needs, NORDX/CDT offers its IBDN Intelligent Business Solution. NORDX/CDT recognizes that buildings represent a large, long-term investment that must make good business sense and be shielded from obsolescence in today's fast-paced business environment.

Why choose the IBDN Intelligent Building Solution?

Here are some of the reasons why our IBDN Intelligent Building Solution is the right one for you.

- One integrated cabling network for present and future voice, data, video, and control applications and systems
- Standard cabling media (UTP & Fiber)
- Easy administration and maintenance
- Electronic connectivity management
- Easy troubleshooting
- Lower initial and operating costs

Find out more about our [IBDN Intelligent Building Solution](#) in the IBDN site section of our or by contacting one of [our Certified System Vendors](#).