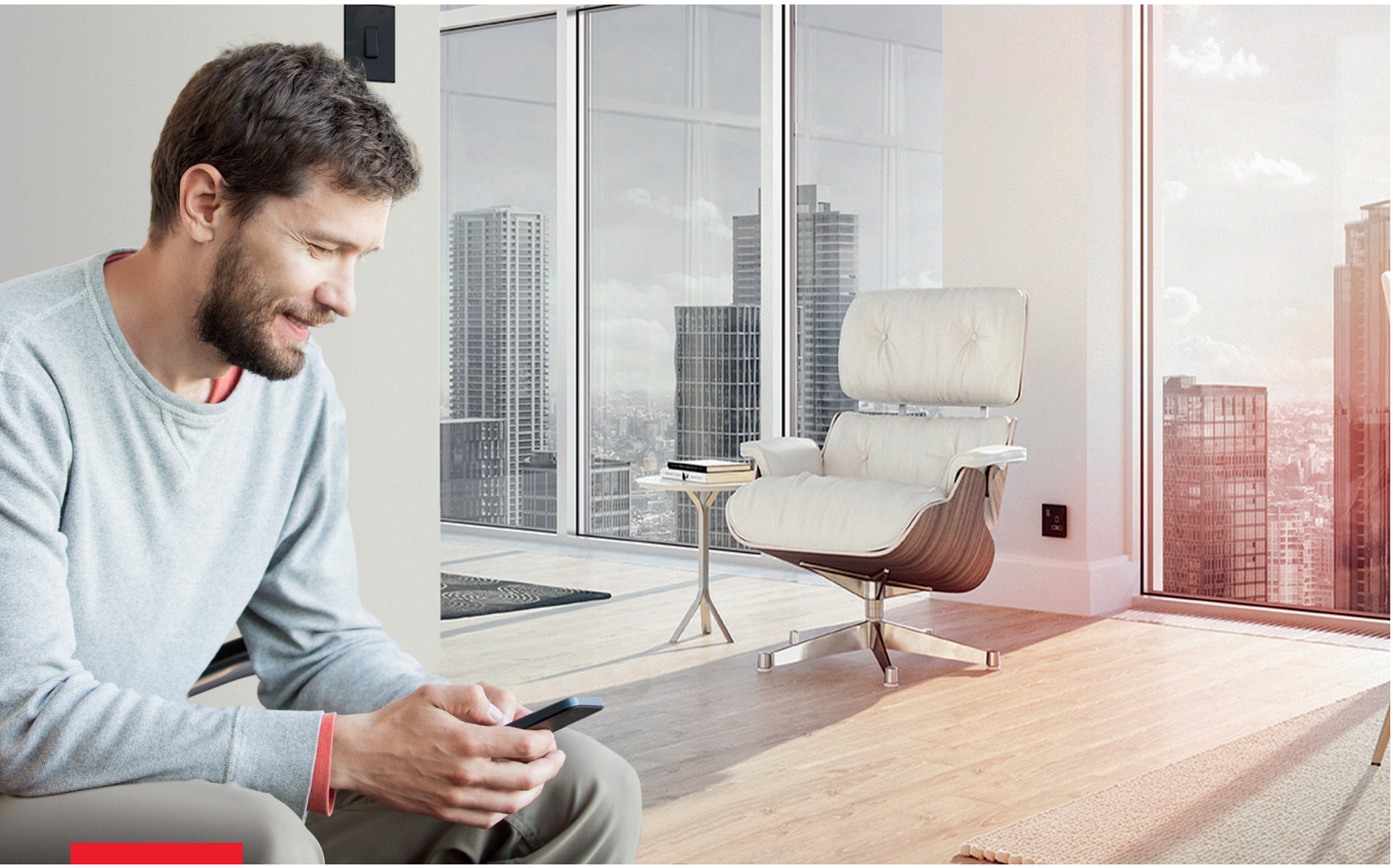

Nexus® Pro

Intelligent emergency lighting management system

Smarter technology.
Safer lives.

In the age of IoT, digital connectivity is driving change and innovation. The push towards smarter, efficient and more secure buildings is opening the door to endless possibilities.

Discover ABB's smart emergency lighting solutions controlled completely from your smart device. Nexus®Pro gives you an IoT solution with a high level of cybersecurity for safety and reliability, enables better maintenance planning, and reduces operating costs.

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ABB connects you to the power of the Internet of Things. From property safety and energy management to automation and design, ABB is working to create smarter building solutions available right at your fingertips.

Introduction
A new age of intelligent solutions

Our lives are touched daily by the Internet. It widens our horizons and improves our capabilities by connecting us to a wider community and their collective knowledge.

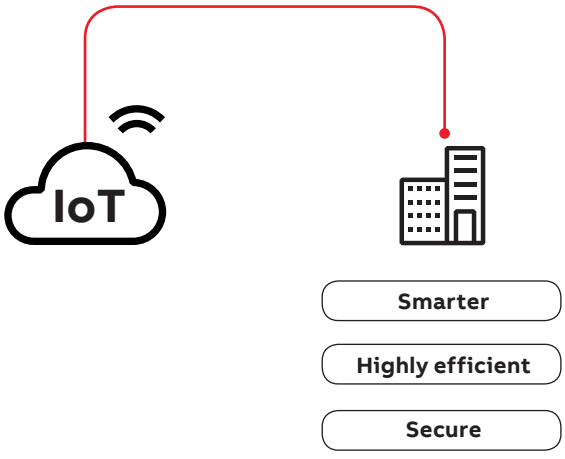
For over a decade, ABB has been working to develop and enhance process control systems, communications solutions, sensors and software for the Internet of Things (IoT). These technologies enable all building owners in industries, utilities and infrastructure to analyze their data more intelligently, optimize their operations, boost their productivity, and their flexibility. ABB is advancing the IoT by helping customers enhance their existing technologies, while keeping sight of our enduring commitment to safety, reliability, cybersecurity and data privacy.

High level of cybersecurity
Cybersecurity can be a big concern in the world of IoT. Over the year, cybersecurity for automation and control systems has gained a lot of attention and is becoming increasingly important for all building managers or owners.

In the age of IoT, it's clear that "security" means much more than protection against cybercrime: certainly, connections need to be safe, but the value of that data should also be protected. Customers should not be required to forfeit safety, value, or control in order to realize the benefits of digitization.

By understanding market conditions, customer needs and the cyber environment, ABB strives to achieve and exceed the required levels of cybersecurity without compromising operational performance. Our solutions are aimed at reducing business risk, providing comfort and confidence, as well as enabling compliance with standards and legal requirements.

Digital connectivity
Driving change and innovation



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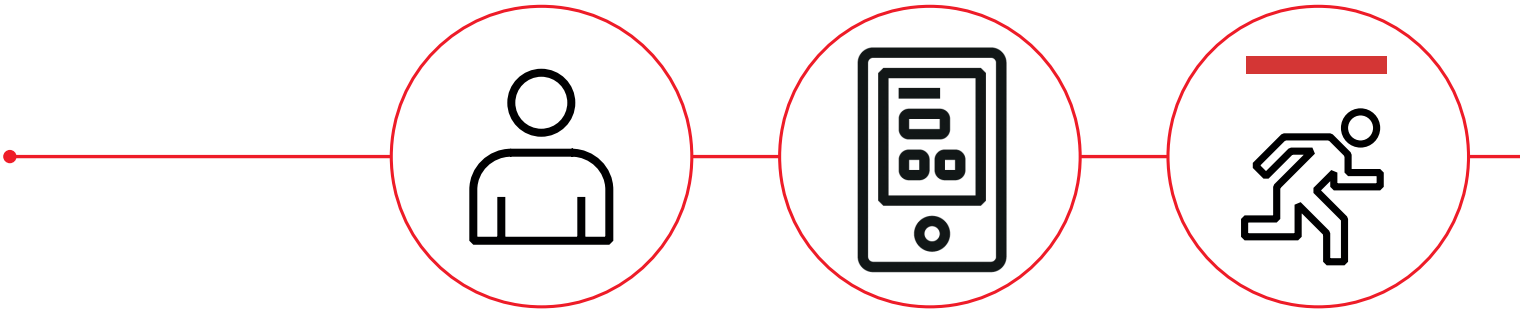
Emergency lighting device installed in a modern office.

Monitoring and testing

Are you prepared for an emergency?

Emergency lighting installations must be monitored and tested regularly to ensure they can save lives of building occupants in the event an emergency occurs.



Through intelligent emergency lighting, ABB makes building safety more accessible than ever. With action needing to be taken in a moment's notice during an emergency, functional emergency lighting can mean the difference between getting out of a building safely or struggling to find the closest exit.

To assure safety of public facilities, code and regulation compliance ensures the functionality of emergency lighting, so devices automatically switch on during a power failure. This is implemented by International and North American organizations like the National Fire Protection Association (NFPA) and International Code Council (ICC) which release editions of their code that govern public health and safety.

These organizations establish mandates in which fixtures should be tested every month and year, each fixture is maintained, defective components are replaced, and devices are code compliant.

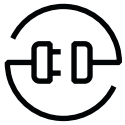
Nexus®Pro
Solution and benefits

Nexus®Pro is designed to enable building owners and managers to easily maintain and test emergency lighting, without the need to visually verify performance or disrupt the power supply.

With digital solutions, building owners now can have peace of mind knowing their buildings are safer than ever. All operations can be managed remotely, giving building owners and managers complete control wherever they are, whenever they need it most while preventing any human error in the process.

Cost effective
- Reduce labor costs for maintaining emergency lighting
- Saving on cost and labour on manual collection and recording of emergency lighting data
- 200 emergency lighting units on one gateway
- Reduce Monitoring costs by simply receiving notification once there is defective device

User friendly
- Monitor remotely anywhere at anytime
- Fast and easy testing with a smart device
- Interactive 2D floor plan layout showcasing emergency lighting positioning
- Software updates automatically applied
- Easily go from one building to many with our scalable system



Enhanced Safety and Protection
- Comply with Building and Life Safety Codes and other North American regulations
- Real-time self-monitoring and maintenance alerts if units stop functioning
- Holds all emergency lighting testing and maintenance data in a secure ABB cloud
- Ownership of maintenance data input, quick testing and device monthly and annual scheduling

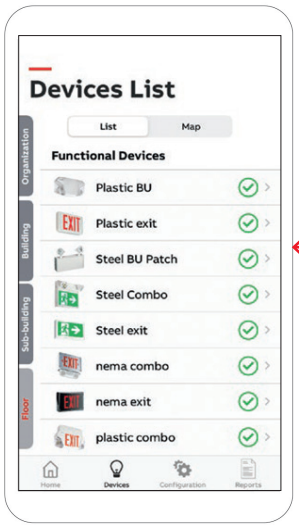
Improve installation efficiency
- Quick and flexible commissioning
- Ease of use due to app configuration
- Get diagnostics and part number recommendations during failures

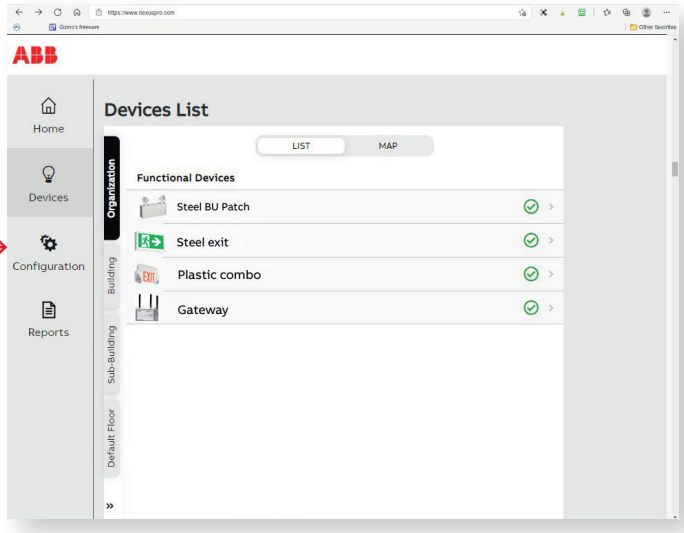
Set up
Easily install and add new devices through your smart device

Maintain
Defective devices are automatically detected and reported on your interface in addition to push notifications

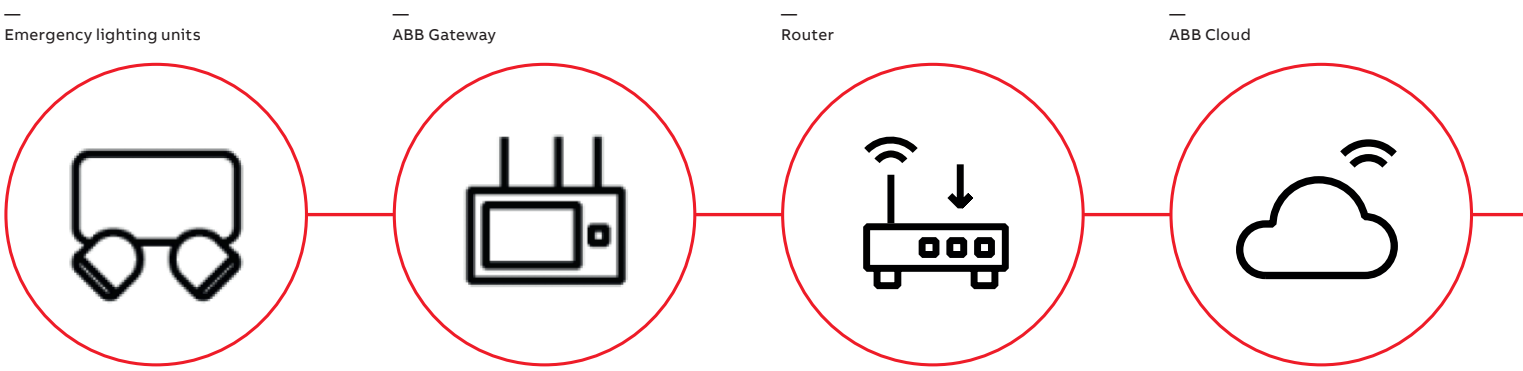
Test
Run test instantly or program them to ensure that all your devices are working properly

Share
Easily share the results of tests with team members, maintenance staff and technicians

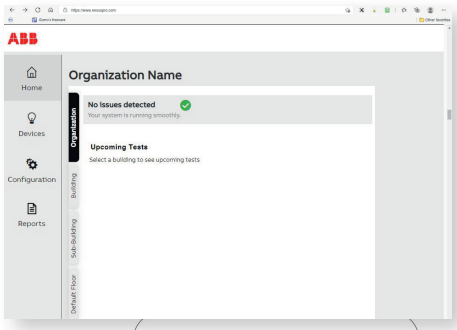


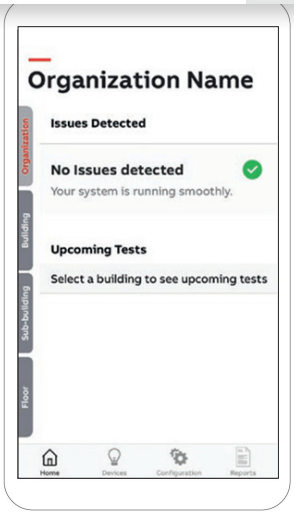


Nexus®Pro
App and web interface

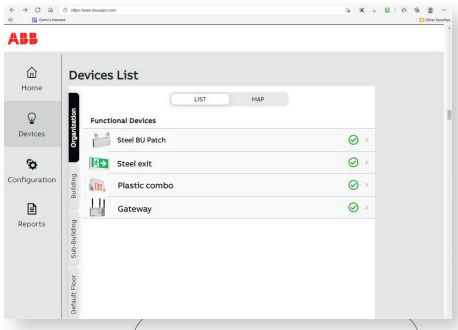


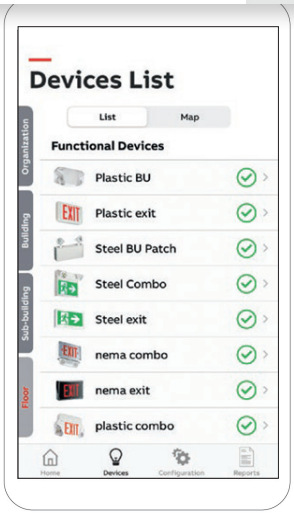
View all devices with detected issues and any upcoming tests. The main menu is located at the bottom of the screen.



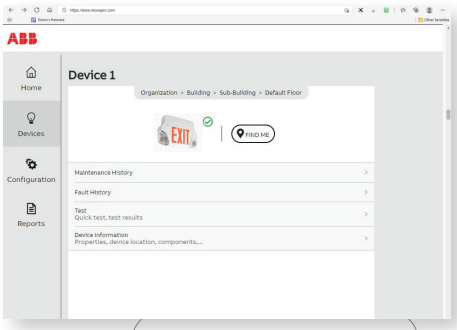


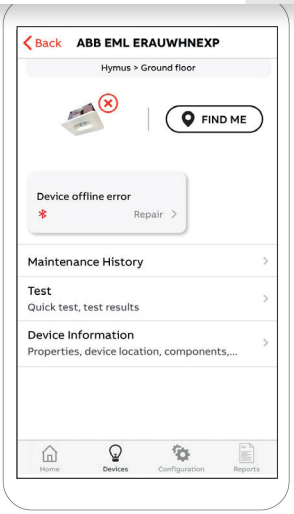
View defective and functional devices in a list format or on a map.





If you have a defective unit, simply click the unit to find the exact issue and part number you need to fix.





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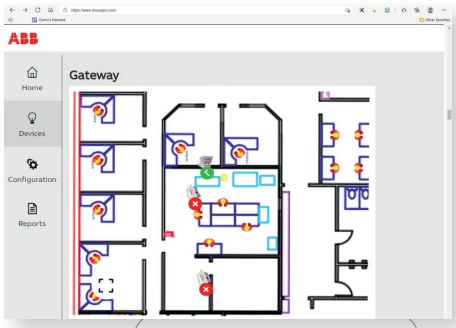
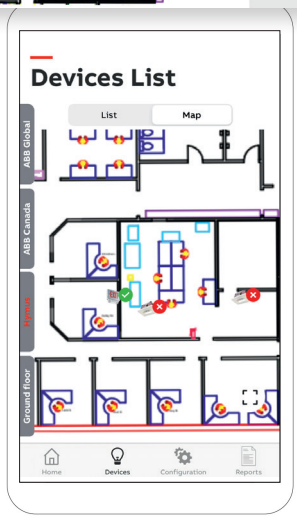
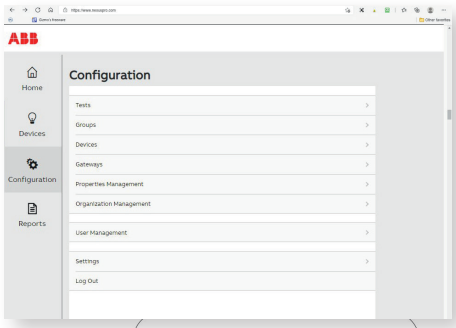
App or web interface

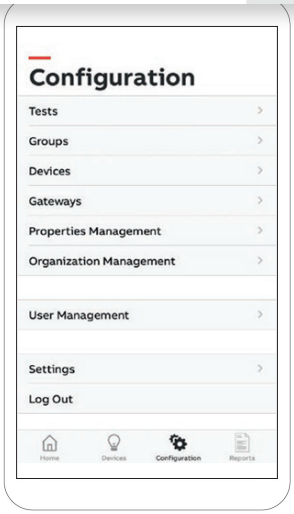
The map format provides a more visual view of your devices so, you know exactly where the devices are located on your floorplan.



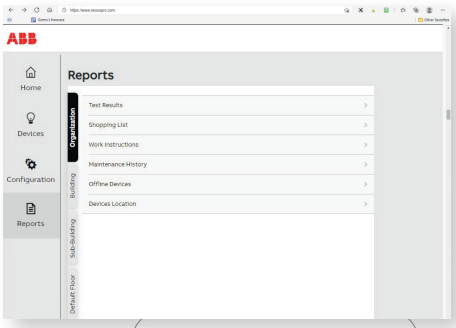


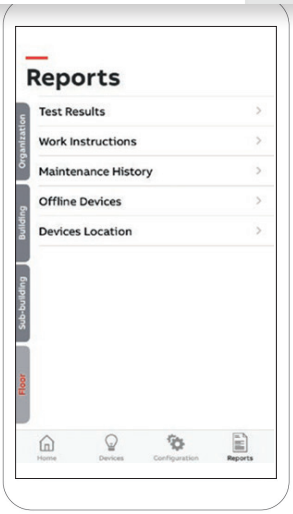
Commission a Gateway and devices (mobile app only), schedule monthly tests, manage your properties, invite users, upload floorplans and more.





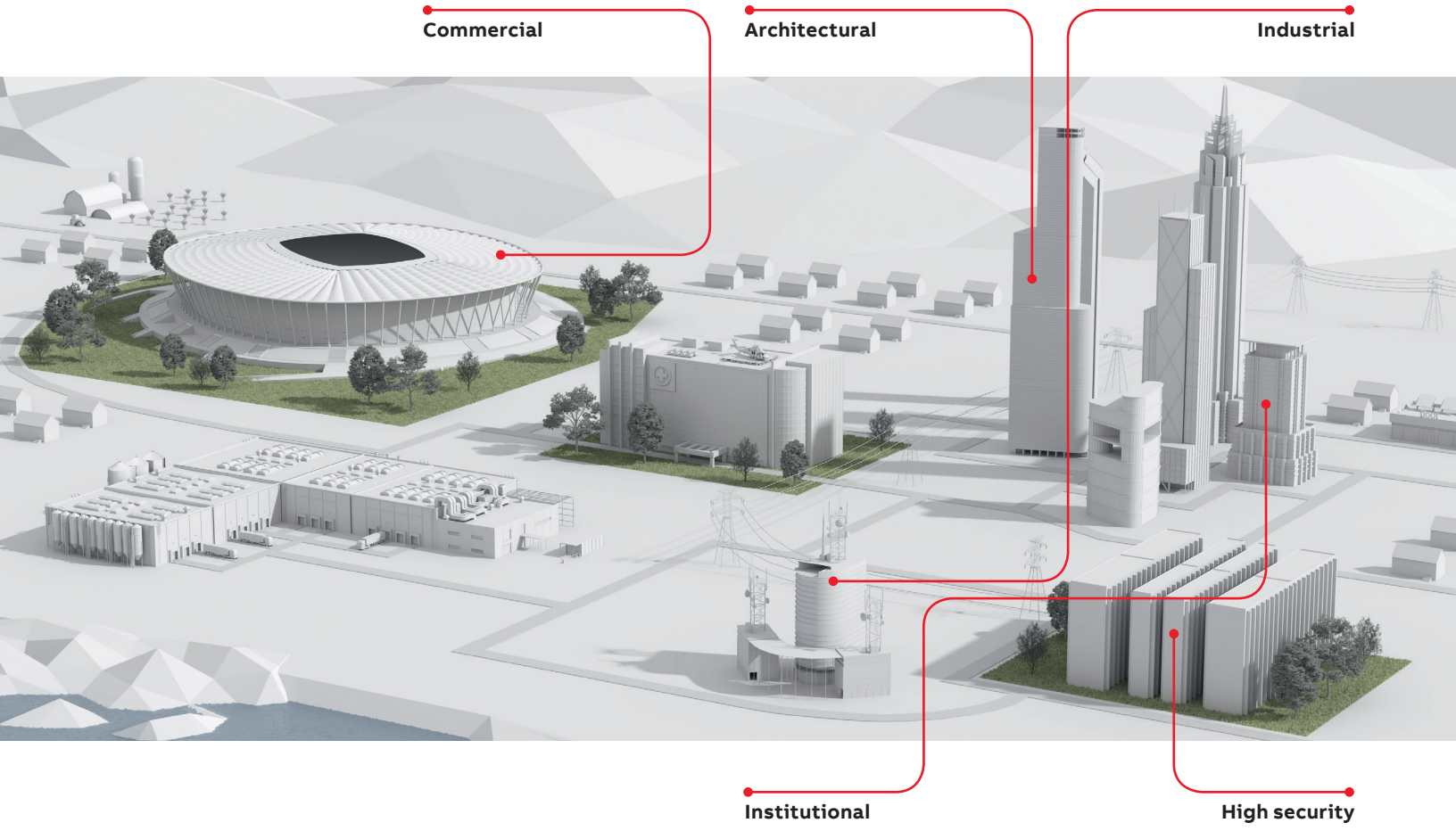
All the detailed information regarding test results, maintenance history, offline devices and device locations.





Nexus®Pro
Applications

Whether your business occupies an office building, an industrial space, high-security locations, architectural spaces, or multiple educational facilities, Nexus®Pro brings the power of connected IoT emergency lighting to any infrastructure.



Nexus®Pro
Optimize building safety

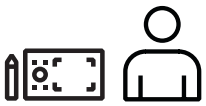
Emergency lighting installations must be monitored and tested regularly to ensure they can save the lives of building occupants in the event an emergency occurs.

To optimize the safety of visitors or users in the event of a disaster, emergency lighting needs to be maintained and tested.

Moreover, building owners or managers are legally responsible and accountable for emergency lighting installations.

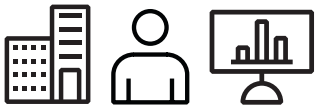
Overview in management and maintenance
Ongoing maintenance and testing of emergency lighting is a time-consuming process that must be carried out regularly every month and year.

Building owners or managers cannot afford uncertainty when it comes to an emergency. All fixtures need to be working properly so that people can easily be guided out to safety.



Specifier
- Speed up with smart buildings development
- Compliant with legislation and standardization
- Optimal safety for building users
- A clear and innovative starting point for your customer

Installer
- Easy to install and Commission
- Saving time and reduce costs with remote test and monitoring features
- 24/7 insight into your activities
- Easy to expand



Building and facility manager
- 24/7 control of the safety level in your building
- Total cost of ownership reduced
- Fewer interruptions for work activities in your area
- Optimized safety for your employees
- Expandable to meet your changing needs

Our solutions bring the future to you. Today.

Through intelligent emergency lighting, ABB makes building safety more accessible than ever.

From office buildings and schools to hospitals and stadiums, Nexus®Pro brings the power of connected IoT emergency lighting to any environment.

ABB Electrification
1811 boulevard Hymus
Dorval, Québec, Canada
H9P 1J5

www.nexus-system.com

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