

DATA CENTERS

Powered By

Nexos

Today, nearly every person, business, and government entity either needs its own data center or needs access to someone else's in order to store and access data for a certain purpose. Major companies and some governments build and maintain data centers in-house, others rent servers at co-location facilities, and some rent space in cloud-based services from hosts like Amazon, Microsoft, and Google.

CHALLENGES

Data centers house massive rows of servers and electrical rooms. They can be physically large, sprawling over football fields just for one portion of a data center. They are huge consumers of energy, require extensive cooling systems, and can never, ever be offline.

There are three major challenges all data centers must address:



Safety

Working in data centers is a highly regulated environment, in large part to keep the people in the center safe. One wrong move could result in a deadly electrocution, accident, or serious harm to a contractor or employee. Should a safety incident occur, it can result in delaying project timelines and creating costly work disruptions. Getting people out of the space quickly in case of a fire or inclement weather is a challenge. With safety in a data center, there is no room for error.



Security

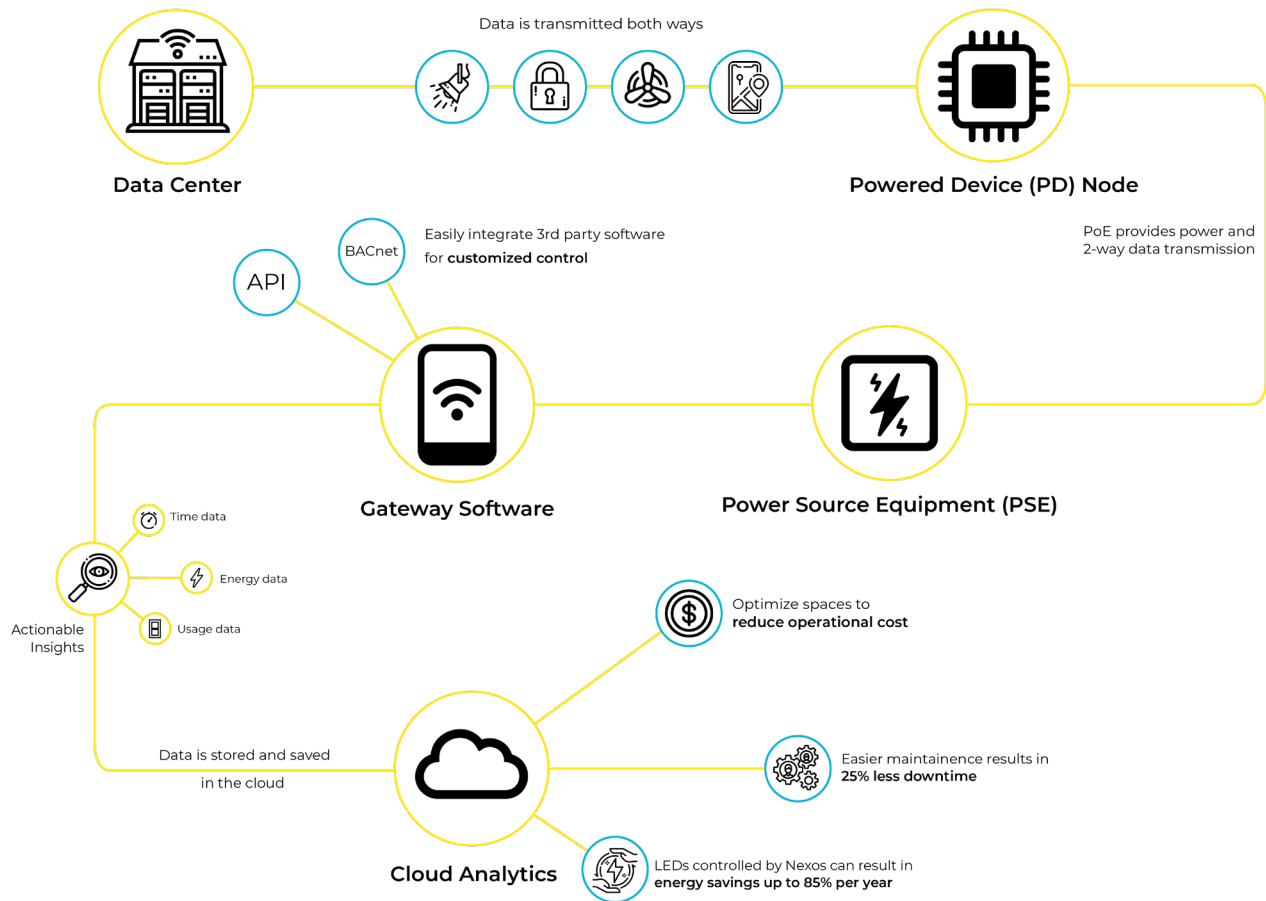
Any project involves bringing outside people into the data center and opens the possibility of a security breach. The process of becoming a trusted vendor is extensive, and even after reaching that status, daily security checks upon entering and exiting a data center require significant times. It is vital for data center operators to know, at all times, who is in the facility, where they are, and what they are doing. Keys, access cards, laptops, and other equipment need to be accounted for at all time.



Cost

Cost is important as running a data center is expensive in all aspects: high upfront construction costs, continual maintenance costs, constant security costs, and significant energy consumption. For people who work in data centers, the hours spent each day going through the security process eats into the total productive hours available to work in a day – adding further costs to construction and improvement projects at these buildings.

HOW NEXOS WORKS



BETTER PACKAGE

This package has the lowest total installed cost while providing the basic requirements for an intelligent data center.

- A pre-built rack solution that is easy to deploy and scalable across a site or multiple sites
- All sites are manageable from afar with granular system wide visibility and control
- All fixtures utilize an 18/2 low voltage home run cable from the rack to the fixture(s)
- Igor shall provide the Igor ready low voltage light fixtures as part of the package

BEST PACKAGE

The “Best” package combines the added value with real-time location services (RTLS) along with the advanced benefits of Nexos found in the previous package including:

- A pre-built rack solution that is easy to deploy and scalable across a site or multiple sites
- All sites are manageable from afar with granular system wide visibility and control
- Igor nodes and advanced sensors are embedded within suspended 4' LED light fixtures
- Every two fixtures use one home run of ethernet cable to a data rack
- Each fixture will track mobile assets such as people, phones, keys, lifts, electric vehicles and more
- The solution is provided with a floor plan map application
- Igor provides the Igor enabled PoE light fixtures as part of the package.

Learn more or request a demo at:

info@igor-tech.com

877-588-2650