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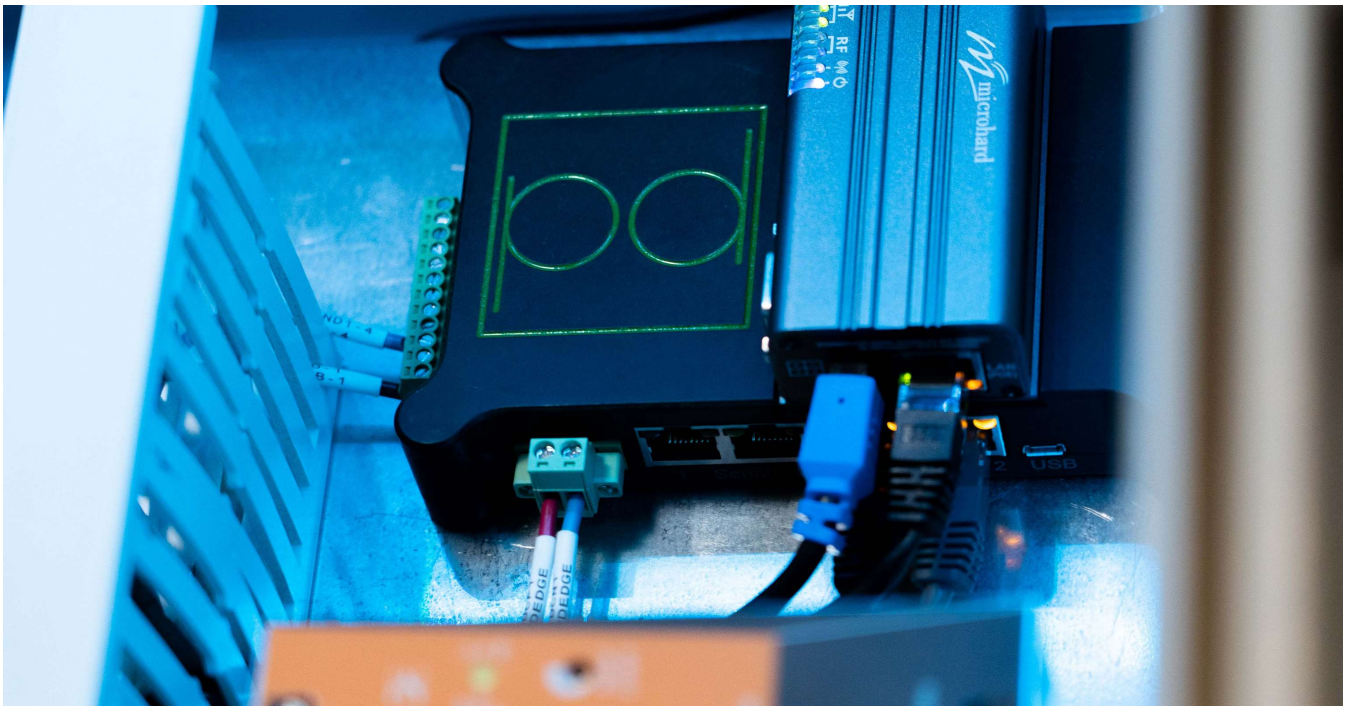
pdvault
Take Control

THE VAULT TIMES

Official Guide to Industrial Automation



EDGE COMPUTING

What makes edge computing a compelling future?

Edge computers are essentially small computers with storage space that are placed on location, they act as a gateway for your machines much like how your phone is a gateway for you. Edge computers are designed to pull the raw data from each machine in real time with minimal bandwidth consumption to a central location. Additionally, they are used for remote connectivity into the onsite networks, provide bank grade security using VPN technology and can host a wide array of other applications such as cameras and machine learning.

FUN FACT:

pdEdge computers eliminate demand polling. Giving all users real time data. Never wait again for system updates

WHY EDGE COMPUTING?

Data Centralization

Edge Computing provides the ability to centralize all production data into a common database in real time making the data accessible and convenient to manage.

Remote Connectivity

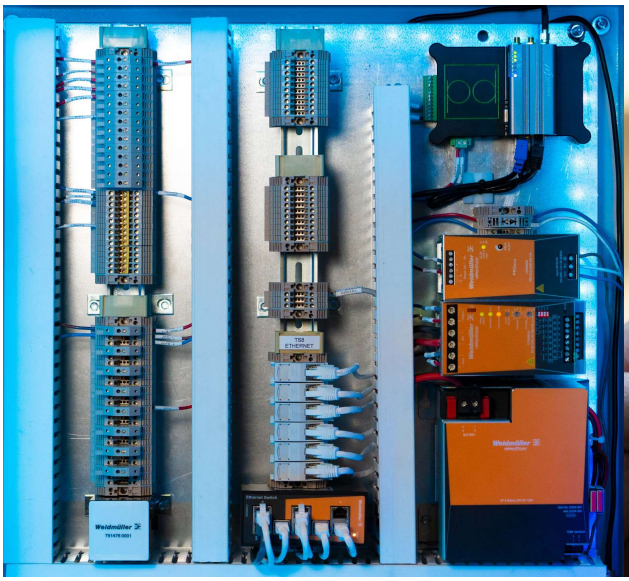
The edge devices provides a gateway to all devices connected to it, providing the ability to monitor, control and make changes to any asset from anywhere.

Real Time Data

Because edge computers have memory they can store information in the event of a communication loss and the backfill as soon as the signal is restored. Additionally they only transmit when values change which saves up to 70% of bandwidth from traditional systems.

MORE REASONS TO INSTALL AN EDGE COMPUTER

- Centralized reporting and alarming
- Non-proprietary equipment
- One login for all assets
- Scalable and flexible
- Minimize or eliminate manual entry
- Commercial AI Ready
- Regulatory compliance
- Full visibility of an entire network



Edge computing provides real time data to a centralized system and reduces bandwidth by 70%.