



ALL-IN-ONE READY INDUSTRIAL DATA CENTER SOLUTION

## Secure Edge Data Center

Customized for industrial IoT  
and digitization roll out



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## Secure Edge Data Center

**As the industrial world becomes more digital, customers need scalable and rapidly deployable capacity close to their infrastructure and plant.**

The Secure Edge Data Center has been specifically designed to run in industrial environments, bringing enterprise-grade IT capacity closer to the point of data collection and machine control.

The SEDC allows customers to deploy ABB Ability™ Solutions as well as standard IT solutions (SAP HANA®, Microsoft Azure Stack, and others) with literally any workloads to their preferred on-premises location.

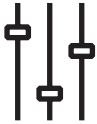
To find out more, **visit**  
**[new.abb.com/data-centers/sedc](https://new.abb.com/data-centers/sedc)**

# Key characteristics



## SMART

- Pre-engineered to reduce lead time
- Standardized to minimize integration risk
- Active SNMP notifications



## SCALABLE

- Expandable to a row of 2, 3 or more enclosures
- Extendable on demand without operational impact
- Configuration scalable from 5 kW to 10 kW to 20 kW



## ECONOMICAL

- Infrastructure building blocks, pay as you grow
- Based on proven industrial solutions



## SECURE

- Physically secure with IP55 rating
- Continuous power and cooling
- Data center grade power

# All-in-one ready IT data center solution

All  
in  
one



Network / server  
enclosure IP 55



Uninterrupted  
power supply

—  
**Secure IP55-rated enclosure  
for harsh environments**

—  
**Single rack solution and multiples  
of it as packaged solution**

—  
**Flexible configurations for  
standard IT solutions, e.g. HPE  
hybrid cloud stack**

—  
**Early fire detection  
and extinguishing system**

—  
**Modular monitoring system  
with different interfaces**

—  
**Integrated, scalable ABB UPS enables  
the highest level of protection**



**Flexible and safe  
power distribution**



**Plug and play  
solution**



**Cooling unit for  
in-rack mounting or  
as separate enclosure**



**Monitoring system  
CMC III**

—

**Addresses the needs  
of industrial enterprises**

—

**ABB SMISSLINE TP: finger-proof  
pluggable system for line protection**

—

**Brings IT capacity closer to  
the point of data generation  
and machine control**

—

**Turn-key solution to implement  
a scalable IT environment**

—

**Redundant cooling solutions with  
5, 10 or 20 kW cooling capacity**

—

**IT product engineered  
for edge applications**

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# Partnership enables IoT-enhanced production plants and smart industry initiatives

This solution is developed in collaboration between ABB, HPE and Rittal, and is an off-the-shelf ready IT data center solution enabling real-time insights and automated action.



## Industrial power distribution and protection

- Unique, finger-proof and pluggable system for line protection
- Safely reconfigurable during operation, no downtime



**Hewlett Packard**  
Enterprise

## Software-defined infrastructure and services

- Enterprise-grade compute, storage, networking
- 24/7 support, consumption-based financing



## Rack infrastructure

- Secure and safe enclosures for industrial environments
- Easy integration at any site - power and connectivity