



Data Center Solutions

Smart data needs smart power.

“Why ABB? Everybody knows the quality of hardware is outstanding, the project management is done perfectly, and our clients know it's installed properly. And at the end, we offer them a good solution and uptime will be as high as possible.”

**Gijs van Gemert, CEO, Serverius
IT infrastructure**

Powering the connected world

Solutions for smart, safe and sustainable data centers

You need to scale your data center operations quickly and globally. ABB delivers solutions that meet your project time lines, and technologies that improve the efficiency, reliability and scalability of your data center.

Make optimization simpler with digital data center operations

Digitalization is a journey and ABB can help you get to the next level. With intelligence all the way to the device level you can improve visibility and make your system simpler, safer and more sustainable.

ABB's digital solutions are built on open and international standards for broad compatibility.

Scalable and standardized power infrastructure

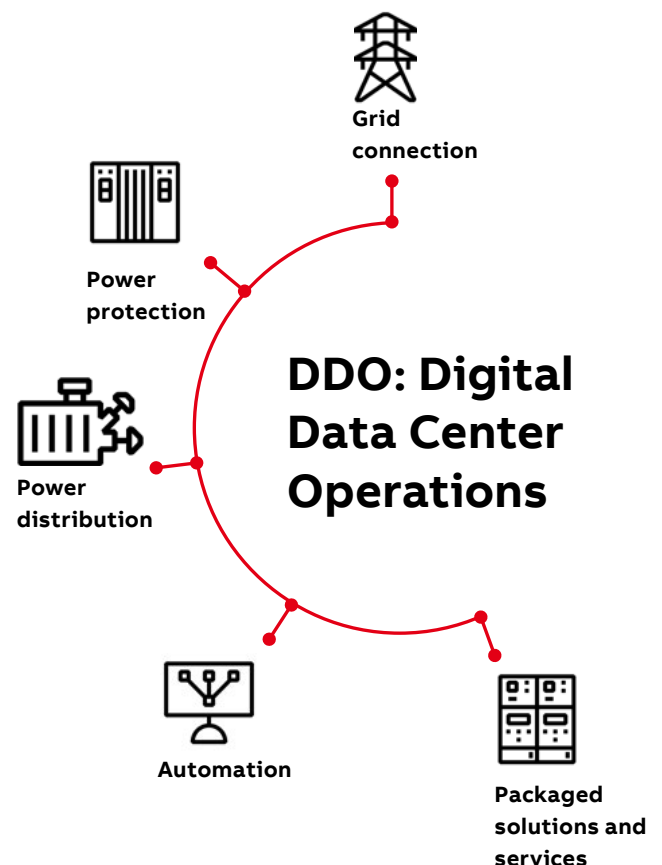
With a complete electrification portfolio, ABB can design for scalability and standardization. ABB can help:

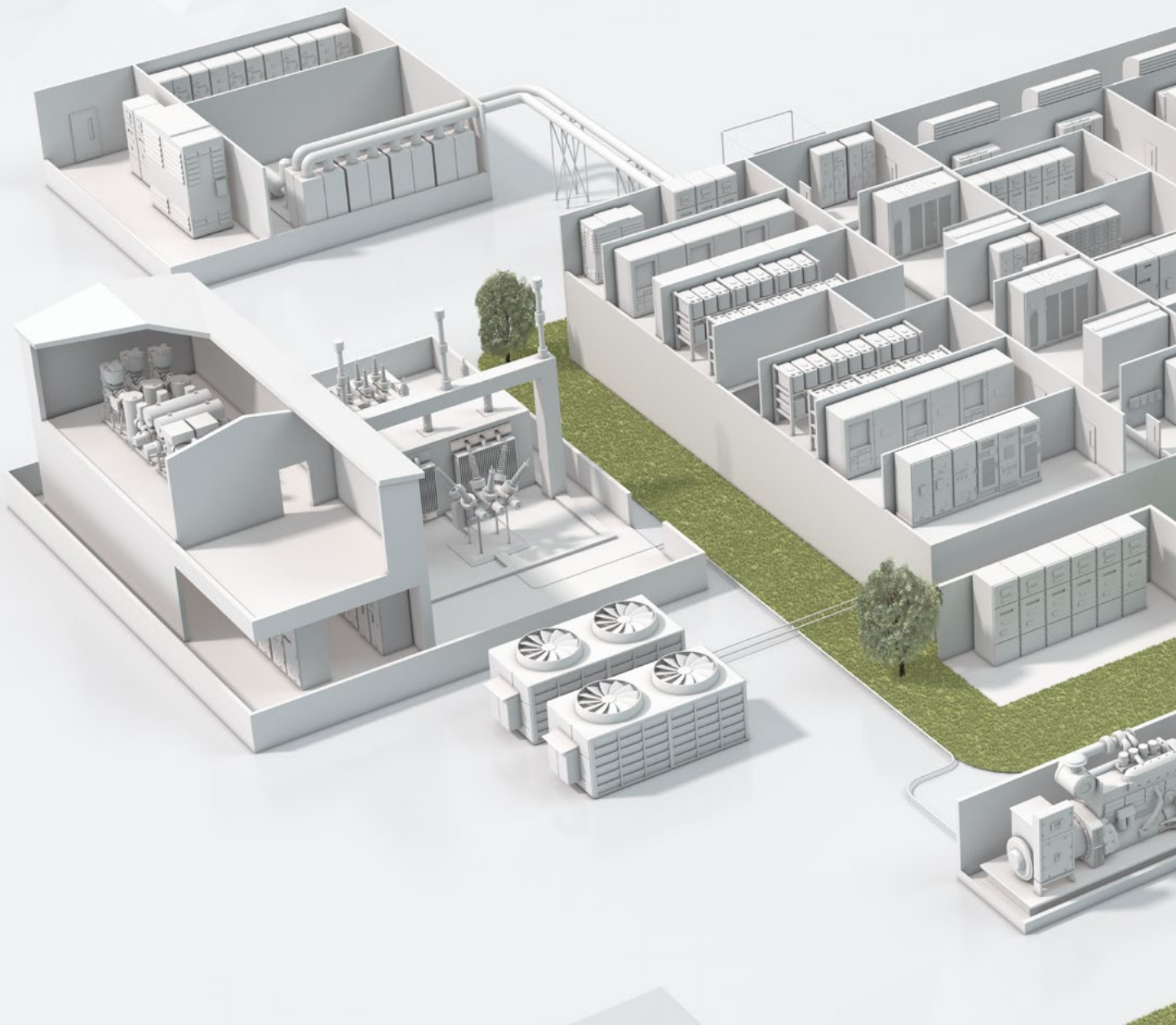
- Design your system for scalability so you can grow when you need to.
- Reduce engineering and delivery times with standardize designs.
- Optimize layouts and leverage skidding and eHouse technologies to reduce footprint and cost.

Through the acquisition of GE Industrial Solutions, we added to our strong electrification portfolio and expertise. By integrating innovative and intelligent ABB components into GE's easy to install and industry proven devices, such as panel boards and switchgear, you can have the best of both.

Speed, reliability and space savings

As pioneers in grid technology, ABB can help you find the right solution to connect your data center to the grid. Optimizing the grid connection phase can help you decrease project cycle times, increase power reliability and reduce footprint requirements.





Grid connection

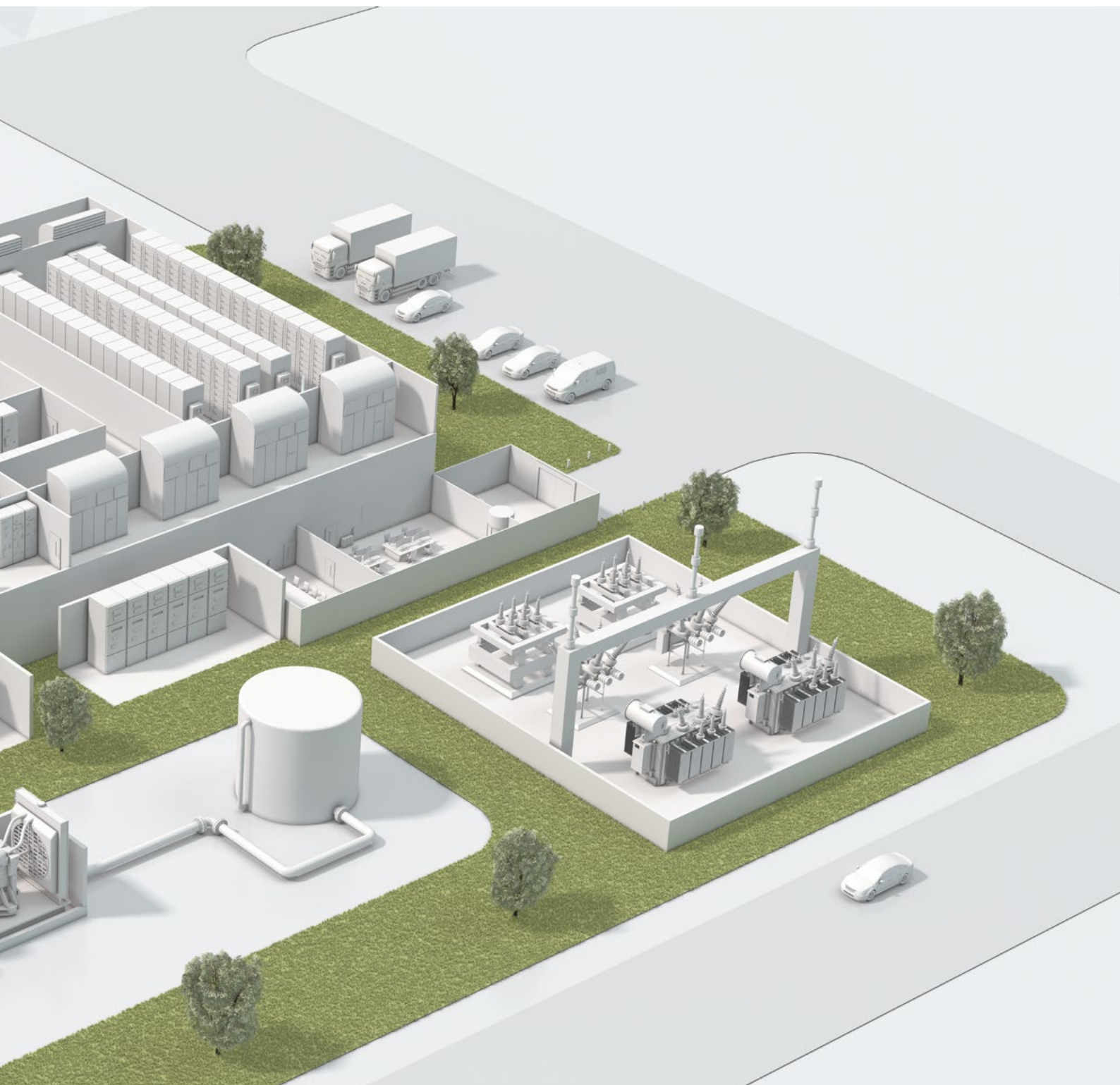
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Power protection

Solutions built to ensure uninterrupted power 24x7 and withstand the rigors of data center use to ensure many years of reliable, trouble-free service.

Power distribution

With a complete electrification portfolio, ABB can design for scalability and standardization, and optimize layouts to reduce footprint and cost.



Automation

Run your data center on a single, industrial platform. ABB Ability™ Data Center Automation is a converged solution for your mechanical (BMS) and electrical (ECS) controls together with DCIM. This is easier for you to manage and allows for a higher level of optimization across systems.

Packaged Solutions & Service

With a complete electrification portfolio, digital services, extensive domain knowledge, and a global footprint of service technicians, ABB enables simplicity and scalability, while delivering on the extreme uptime your business demands.

Collaboration with data center clients

Testimonials and project references



Ericsson: All-in-one automation system means efficiency, sustainability and reliability

Ericsson realized efficiency, sustainability and reliability for its global data center by leveraging ABB's all-in-one automation system.

"The BMS, PMS and EMS form the heart and brain of the site, and here they are all integrated into one system. This helps in easier monitoring of the facility. That's what I rely on when I am sleeping at home at night." Mikael Anckers, Head of Building Operations at Ericsson's Global ICT Center.



Lefdal Mine: Europe's Greenest Data Center

The Lefdal Mine data center is built 150 meters into a mountain in what was formerly an underground mine. With ABB technology, Lefdal Mine Data Center plans to become Europe's biggest, with the smallest environmental footprint.

Lefdal partnered with ABB for reliable power supply that can handle the intermittency of renewables and can scale as their business grows, which is important since Lefdal plans to expand this data center from 10 MW to 200 MW.



DODID Data Center reduced cost of ownership by 20%

DODID, one of Singapore's newest and most progressive data centers, partnered with ABB for complete electrification of its data center and ABB Ability™ Data Center Automation for digital data center operations.

"ABB's technological expertise has enabled us to embrace digitalization throughout our data center for greater productivity, scalability and agility. Through automation and granular visibility, we now have real time analytics and controls to help us monitor the full electrical infrastructure. We have been able to reduce cost of ownership by up to 20 percent."

Serverius Data Center in Netherlands: expansion without downtime

Netherlands is a major gateway to Europe and Serverius is helping to support that digital infrastructure, offering colocation facilities and services, and IP networking for connectivity. Serverius partnered with ABB to better serve their clients by expanding their capacity in a live environment without impact to the existing load.

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GIGA Data Centers in the US: designed for future growth

As a startup company, GIGA data centers partnered with ABB to legitimize their offering and iterate their data center design to be optimized for their existing data center and scalable for seamless growth.

The innovative design leveraged ABB power distribution equipment and a UPS system with lithium ion batteries that reduced costs and footprint of the power protection equipment.

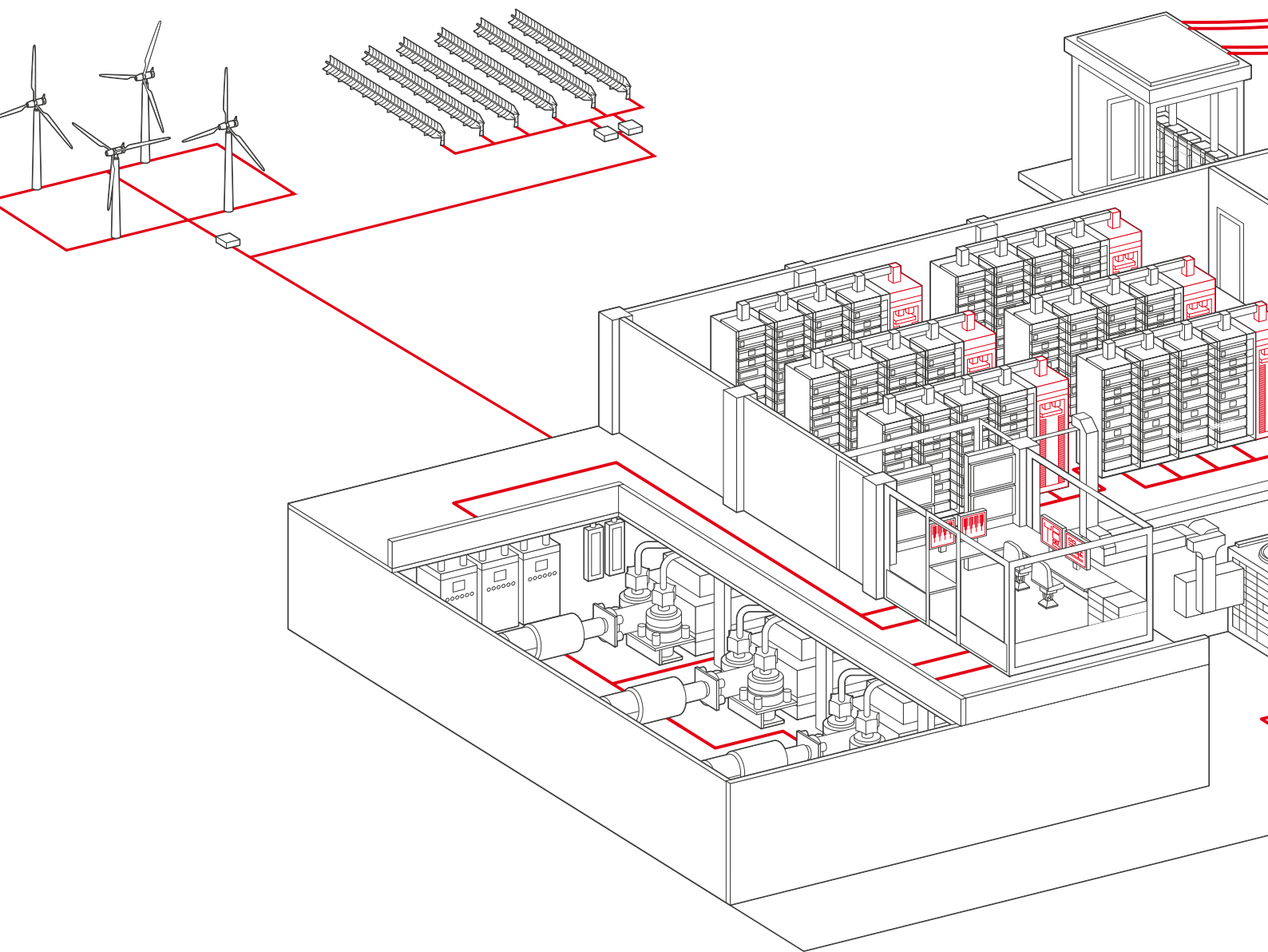


Alticom: remotely monitoring micro data centers across the Netherlands

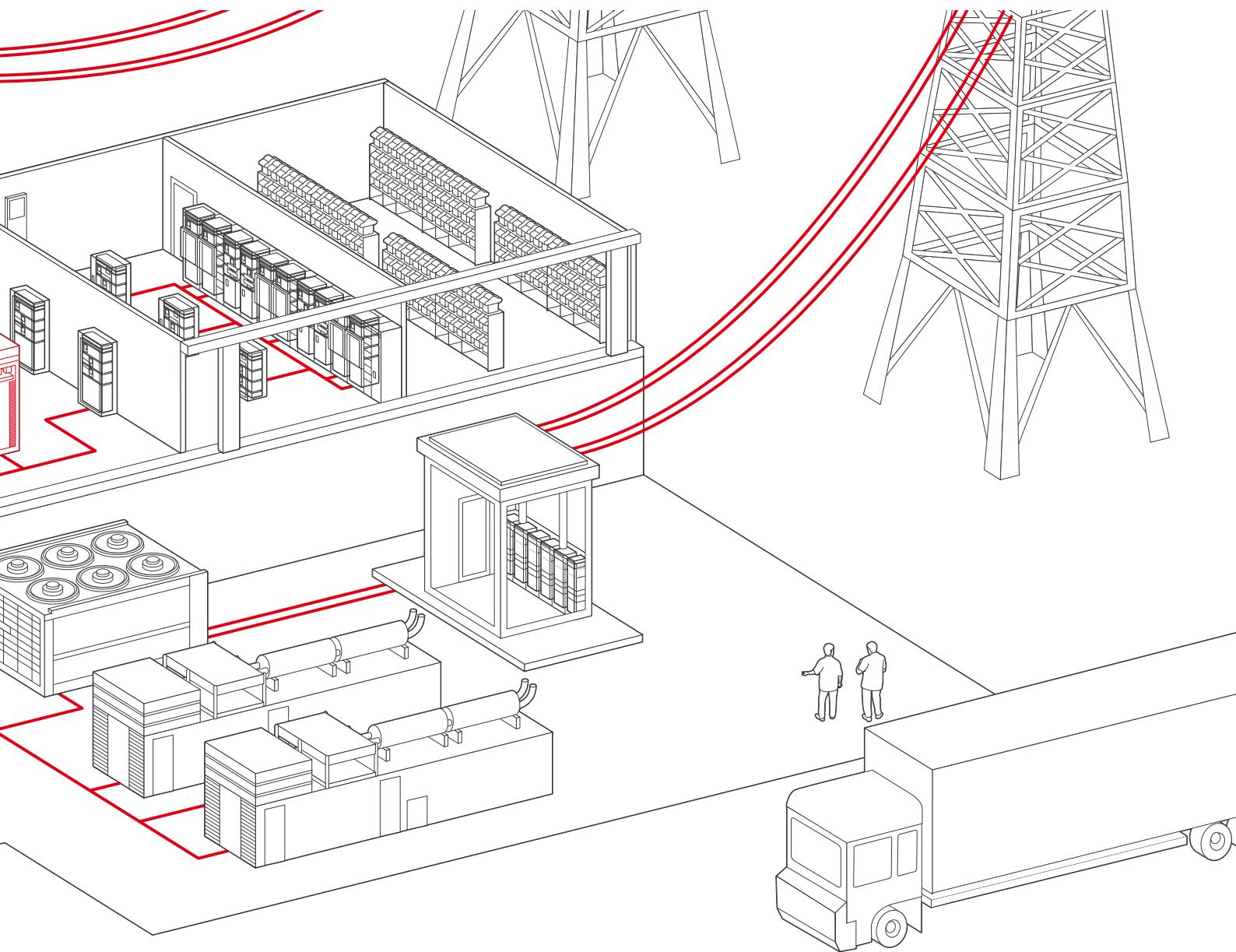
In the Netherlands, Alticom has installed micro data centers in telecommunications towers across the country, using space made available as telco technology switched from analogue to digital, shrinking drastically. The thick walls, cool air at altitude and relative ease of securing the sites make these iconic towers (one of which is the country's tallest building) ideal for safeguarding data.

ABB Ability Data Center Automation allows Alticom to remotely monitor and control the cooling and energy use of all 24 of its towers, making it one of the major elements helping Alticom to run the centers more efficiently.





As data centers get larger, they're requiring more sophistication and intelligence. ABB is uniquely positioned in the market to bring proven industrial strength electrification and automation solutions to the world of data centers.





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