



Case Study

Nexans partners with
Centrin Data to build green
and low-carbon data centers

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Nexans supports the reduction of energy consumption in data centers through partnership with Centrin Data.

Nexans is a global leader in the design and manufacture of cable systems, services and remains committed to leading and building a safer, sustainable, renewable, low-carbon and connected electrified future.

The new generation of green and low-carbon data center will include a well-designed cabling system to enable low-energy and sustainable operations.

Data centers play a key role in driving the new wave of digital transformation such as 5G, AI, industrial internet, cloud computing and new energy. They are responsible for transforming core data into high-value data assets and are often regarded as the „central brain“ of new infrastructure and the „key foundation“ of digital economy development. According to Global Market Insight research, the global hyperscale data center market revenue will exceed USD 60 billion by 2027 (around RMB 380 billion) .

However, the growing importance of data centers means their power consumption is increasing year by year, with global data center power consumption now accounting for 8% of total power consumption . As demand for data increases, so too will power consumption. In China, the energy consumption of data centers is attracting more attention as the sector seeks to achieve carbon neutrality commitments. Recently, The National Development and Reform Commission and four other central government departments jointly issued a plan to promote greener data centers, with the goal of cutting the average power usage effectiveness (PUE) - value of newly built large and super large data centers nationwide down to 1.3.

So that leaves the question of how the sector can reduce energy consumption in data centers? This is certainly a major test, which is why Nexans has partnered with Centrin Data to build green and low-carbon data centers for 4 years. This partnership has become a model for the industry.

“Nexans is a global leader in the services, design and manufacture of cable systems, and we’re committed to building a safer, sustainable, renewable, low-carbon and connected electrified future. We have shared values of social responsibility with Centrin Data, which makes this an exciting partnership,” said Nexans Telecom Systems APAC General Manager Ben JIANG. “Data centers can play a meaningful role in achieving China’s carbon neutrality goals while serving as a new engine for economic growth, which is why we’re helping Centrin shift to a greener, lower-energy, and more sustainable business model.”

Through the 4-year partnership Nexans has provided Centrin’s domestic data center base with comprehensive cabling solutions, including Cat 6A copper cabling systems and pre-terminated fiber cabling systems. During the project’s implementation, Nexans provided systematic value-added services on making smart choices on the right cabling systems, helping Centrin optimize the construction cost of the data center and anticipate future upgrades, operations, and maintenance needs. With high stability, flexibility and easy-to-manage, the solution accommodates Centrin Group’s modular design for data centers and helps achieve faster delivery while lowering carbon emissions.

¹Data source : The global ultra-large data center market is expected to surpass \$60 billion in revenue by 2027, Sohu

²Data source : Data center construction shifts, new infrastructure accelerates “decarbonization“, Yicai



Jie HU, Assistant President of Centrin Data, said, *“As the pioneer of the colocation data centers and as the hyper-scale data center service provider in China, Centrin Data adheres to the development of green, low-carbon and eco-responsible data centers. Nexans’ profound international brand, diversified experience and expertise, coupled with high quality services, made them the perfect partner for us. We hope that by joining forces, we can build a truly green and integrated data center and maximize low-carbon operation.”*



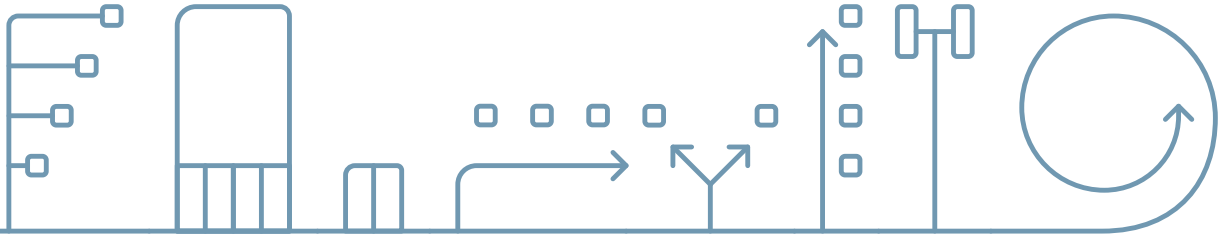
With the help of Nexans, Centrin Data was successively evaluated as an international new industrialization demonstration base and demonstration project (data center features) and a national green data center in 2019 and 2020. Its Kunshan No. 1 Data Center was also named „Carbon Neutral Data Center Innovator“ at this year’s 2021 Data Center High Quality Development Conference. The center achieves carbon neutrality by adopting energy-saving technology application, clean energy procurement, low-carbon management system construction and management strategy implementation, and soil carbon sequestration.

Data center is a representative microcosm of the various industries actively promoting the „dual carbon“ goal. The year 2022 is going to be a critical year for new infrastructure and a breakthrough opportunity for data centers. Nexans and Centrin Data, as the leading enterprises in the industry, will continue to uphold the concept of green development, promote the construction of new data centers with high quality and low carbon as the core, explore the road of sustainable development of data centers, light up the digital future, and create a new green and low-carbon intelligent industry.

About Centrin Data

Centrin Data is an IT infrastructure provider of integrated IT services. It provides data center and information system outsourcing, cloud computing and Big Data applications, as well as backup and service continuity management. It helps customers improve the security and revenues of IT systems and service operation management, thereby improving customers’ core competitiveness.





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