

Case Study

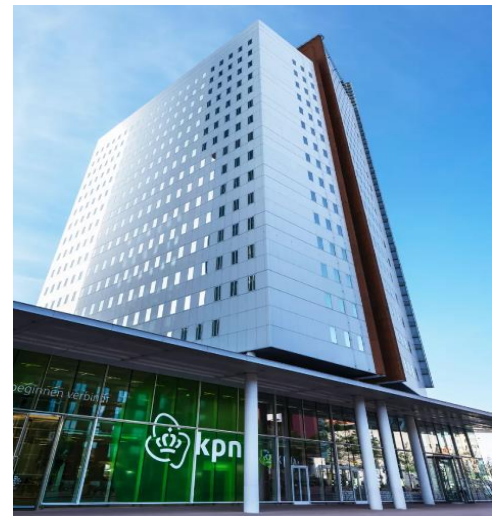
I Fiber Distribution Hub for KPN



End Customer:	KPN
Address:	Netherlands
Requirements:	Outdoor Fiber Distribution Hub
Related Products:	Ningbo Spring FDH NBS1000

Project Background

As the largest telecommunications provider in the Netherlands, KPN (in full Koninklijke KPN N.V., also Royal KPN N.V.) owns the Dutch landline network and are market leader in (green) mobile networks. KPN continues to make significant strides in its wholesale vectoring service rollout. This deployment marks the initial phase of a pilot fiber-to-the-cabinet (FTTC) project, empowering almost all existing copper lines to achieve impressive speeds of 80/8 and 50/5 Mbps.



Challenges

As a renovation project involving outdoor fiber distribution hubs, suppliers play a crucial role in ensuring seamless transitions and minimal disruption to users. It's imperative that suppliers possess comprehensive knowledge not only of the new hubs being installed but also of the existing infrastructure. Understanding the intricacies of current distribution hubs enables suppliers to efficiently integrate new components while maintaining compatibility and functionality with the existing network.

Furthermore, minimizing the impact on users during the installation process is paramount. The field installation time must be optimized to reduce downtime and inconvenience.

In addition to user-centric considerations, environmental sustainability is a key factor in modern infrastructure projects. Government regulations mandate stringent controls on greenhouse gas emissions, encompassing not only the products themselves but also the entire manufacturing process. Suppliers must adhere to these regulations by implementing eco-friendly manufacturing practices, sourcing sustainable materials, and optimizing energy consumption throughout the production lifecycle.

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Strengths of Ningbo Spring

After competing with some famous companies, such as Rittal, Ningbo Spring won this project. Our company excels in outdoor distribution hub design by prioritizing customer communication, innovative design capabilities, and patented material solutions. Through close collaboration with customers, we tailor our solutions to their specific requirements, fostering trust and delivering bespoke solutions.

Our technical team's expertise enables us to optimize layouts for energy efficiency, utilizing free ventilation for cooling and eliminating the need for air conditioning or heat exchange systems. This approach significantly reduces energy consumption and operating costs while minimizing environmental impact.

Moreover, our patented material design, featuring a sandwich structure, enhances strength, reduces noise, and further optimizes energy consumption.

