

Prefabricated Data Center

Rapid Deployment of Unified Infrastructure for Greater Efficiency



LOCAL TELCO'S UNIQUE INFRASTRUCTURE REQUIREMENT IN MYANMAR

The solution is a uniquely-designed integrated modular data center that's encased in a heritage facade matching that of the architecture in Yangon. The modern facility is expected to handle the customer's increasing capacity demands. The solution is highly secure and is equipped with the most efficient power and cooling technologies from Vertiv.



INTERNATIONAL TELCO COMPANY EXPANDS INTO MYANMAR WITH PREFABRICATED DATA CENTER

After being granted license to operate in Myanmar, the customer set out to build a strong telecommunications network that will provide affordable mobile services to a largely-disconnected country. As such, a series of containerized data centers proved to be the best fit for a project of this scale.

Vertiv provided the customer with flat pack modular containers, allowing rapid deployment to remote areas. Modular data centers are equipped with Vertiv's full suite of best-in-class solutions including power protection, thermal management, and infrastructure management and monitoring solutions.



VERTIV DEPLOYS 1.1MW PREFABRICATED DATA CENTER FOR T-SYSTEMS

Following its strategic vision to provide cloud services, T-Systems' need for data center expansion became paramount. To fulfil the company's expectations and meet their clients' business cases, a combination of requirements needed to be achieved for availability, reliability, security, scalability, transparency, efficiency and sustainability - plus a rapid deployment.

Specially designed and built in the Vertiv dedicated Prefabricated Data Center facility in Croatia, and later transferred to its location in Barcelona, Spain, the T-Systems data center consists of 38 integrated modules hosting nearly 300 Vertiv Knürr® racks, more than 60 Liebert® thermal management units and a number of AC power systems. The modular infrastructure includes insulation, fire protection, monitoring, and secure access control. The Cerdanyola data center is currently one of the largest modular data centers for T-Systems in Spain, with a modular IT load capacity of 1.1 MW, scalable up to 5 MW in future phases.



VERTIV MODULES LAND HIBERNIA EXPRESS TRANSATLANTIC CABLE

Hibernia Networks selected Vertiv as its partner to design and build two fully integrated cable landing stations on each side of the Atlantic Ocean based on our experience, expertise and deployment speed. These landing stations were completed in only seven months from the onset of work, enabling Hibernia Express to deliver the absolute lowest latency and additional high-performing global capacity to its customers on both sides of the Atlantic Ocean.



VERTIV SUPPORTS SUBSEA CABLE SYSTEM BUILD IN WEST AFRICA

The ultra-high capacity submarine cable system in West Africa runs along the coast of Africa, linking South Africa, the Ivory Coast, Europe and the United Kingdom. The customer selected Vertiv as a modular cable landing station provider in the project for Lagos (Nigeria) and Accra (Ghana) to deliver an energy center and supporting equipment rooms to each location.

On time delivery of two energy centers and five equipment rooms with superb resiliency and high quality within 6 month time frame. The solution was built to withstand rough marine conditions and corrosive atmosphere.



FINNISH NETWORK OPERATOR TAPS VERTIV FOR SUBMARINE FIBER OPTIC CABLE

The project involves a high-capacity submarine fiber optic cable that runs under the Baltic Sea, connecting Helsinki, Finland to Rostock, Germany. At 1172 Km in length, it is the shortest, most secure connection from Finland to the rest of Europe.

For this project, the customer needed a single integrated power and cooling module equipped with two diesel generators at both ends of the cable. Vertiv was able to deploy its solutions to Germany and Finland in 3 month time frame. The solution is designed and built to withstand corrosive marine atmosphere.



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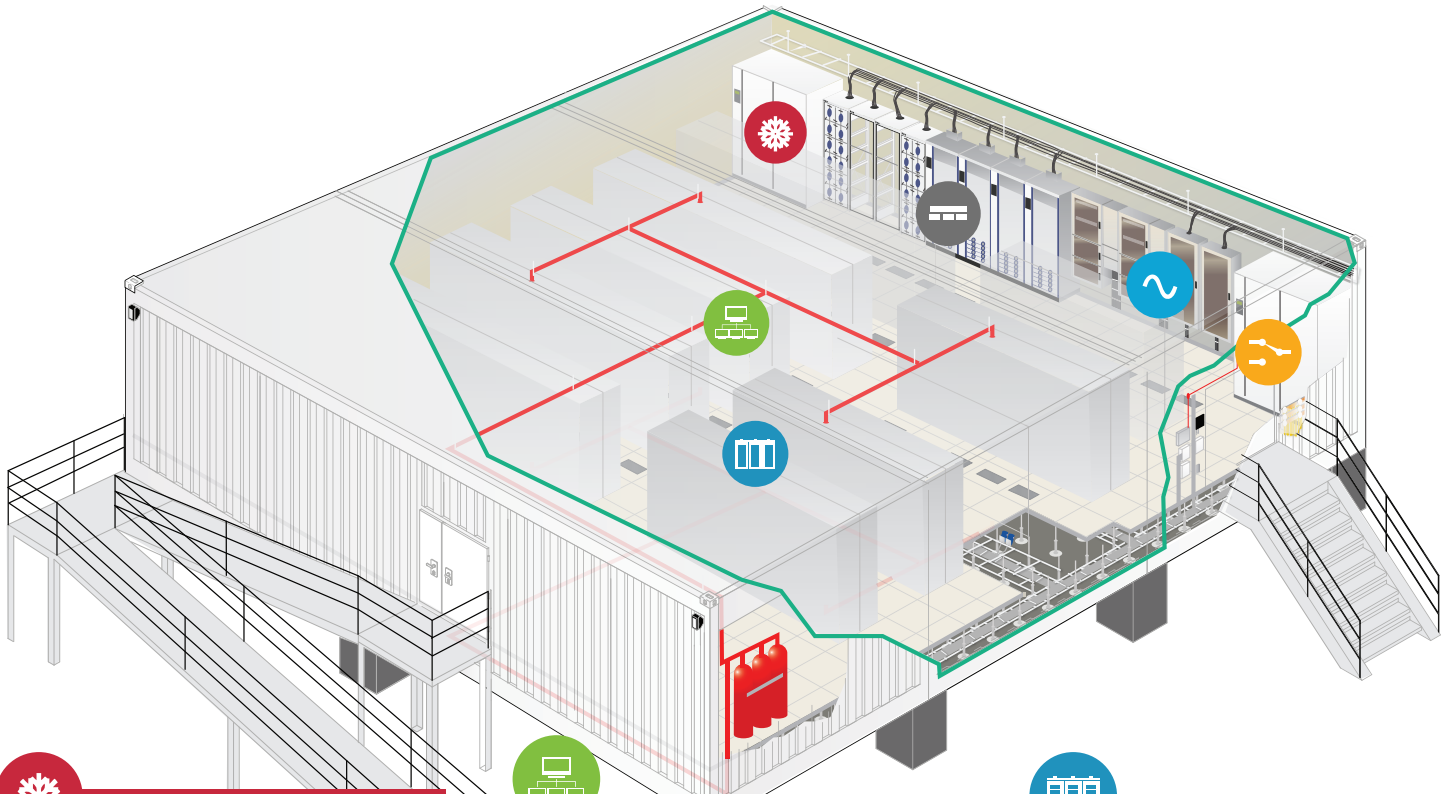
INTEGRATED MODULAR SOLUTIONS: TYPICAL SYSTEM ELEMENTS

Vertiv has the expertise, knowledge and processes to provide high quality service, original manufactured parts, guaranteed repairs and easy access to product information.

COMPONENTS OF INTEGRATED MODULAR SOLUTIONS

From power supply, backup power, climate control, surge protection, and monitoring, we ensure efficient project management, optimized system integration, and on-time delivery and commissioning. Vertiv offers unmatched visibility and control of critical infrastructure both offsite and on-site—maximizing efficiency while reducing total cost.

Unlike other providers that put together various solutions for each project, Vertiv uses its own in-house solutions to coordinate the entire project, delivering integrated modular solutions efficiently and cost effectively.



Thermal Management

Make possible the efficient, reliable and cost effective thermal management of mission critical facility through unparalleled expertise and the industry's most advanced service, software, and equipment technology. Energy efficient cold aisle containment can be used with or without conventional raised floor cooling.



Trellis™ Dynamic Infrastructure Optimization Platform

The Trellis™ platform bridges the gap between IT and facilities, virtual and physical, reactive and proactive. Its interconnected components provide visibility into all parts of the infrastructure. This will end the decision-making in silos as the gap between IT and facilities is closed. Thus enabling holistic, real-time management for peak optimization.



Racks & Integrated Solutions

Vertiv delivers Data Center Racks, Server Racks, Network Racks and Enclosure Solutions for Computer Rooms of all sizes, to Rack Enclosures that contain Thermal Management, Uninterruptible Power, Rack PDUs, and Cable Management in a sturdy, lockable cabinet.



AC Power

Sustain critical operations that simply can't go down with best-in-class uninterruptible power supplies (UPS) and power distribution units (PDU) that keep data center infrastructure up and running.



DC Power

Vertiv's DC Power technology delivers the most rigorous network-power applications, with an unparalleled breadth of intelligently engineered DC power, distribution, control and monitoring systems.



Automatic Transfer Switches/ Load Banks

Reliably transfer business-critical loads to emergency sources with our industry leading automatic transfer switches and non-automatic transfer switches.

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