Oman Data Park's New Data Center Excels in Efficiency and Reliability

With a new and robust data center infrastructure from CPI, the IT service provider is now able to run more than 30kW per cabinet without overusing provision cooling.

As the first IT Cloud Service provider in Oman, Oman Data Park's mission is to provide IT services with the highest standards of reliability and responsiveness. So, when the time came to construct a new data center for its continuously growing business, the main goal was to operate in a modern, yet simple and efficient way.

The company wanted to address the challenges that occur in many data centers today in a cost-effective manner, so it turned to Chatsworth Products (CPI).

In late 2012, Oman Data Park opened the doors to its brand new data center, complete with CPI cabinets, racks, thermal management and cable management accessories.

Accomplishing More with Less

One of the main challenges Oman Data Park faced in its existing data center was rising heat loads in the cabinets, so when the company decided

> ## CPI Vertical Exhaust Ducts offered unparalleled flexibility, scalability and a robust solution.
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> Maqbool Al Wahaiby, Assistant General Manager of Physical and Active Infrastructure at Oman Data Park

CPI's GlobalFrame and N-Series Cabinets in Glacier White brighten Oman Data Park's new, robust data center.

to build a new data center, this was a top concern. The new facility had to handle rising heat loads effectively.

Another top priority was to have an energy-efficient data center that would help reduce the company's operating expenses (OPEX) by a substantial amount.

Lastly, Oman Data Park was adamant about the health and safety of its employees, who many times had to work in a data center environment that was either too hot or too cold.

"Finding the skill sets in the market is challenging. There are very few organizations who know their beans when it comes to data center infrastructure and operations," Maqbool Al Wahaiby, assistant general manager of physical and active infrastructure at Oman Data Park, stated.

Fortunately, Oman Data Park found CPI.

CPI CHATSWORTH PRODUCTS

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A Robust Solution Complete with CPI Products

To obtain a state-of-the-art data center that would resolve all of these concerns, Oman Data Park chose a solution that involved several CPI products, including the GF-Series GlobalFrame® and N-Series TeraFrame® Network Cabinet Systems with Vertical Exhaust Ducts.

"CPI Vertical Exhaust Ducts offered unparalleled flexibility, scalability and a robust solution," stated Wahaiby.

Oman Data Park's state-of-the-art data center is now healthier and safer environment for employees.

The final design included 120 GlobalFrame and N-Series Cabinets, which were equipped with CPI's comprehensive lines of cable management, thermal management and power distribution accessories. "The range and capacity of cable management accessories that CPI had to offer was a huge relief to us," Wahaiby said.

To optimize space, Oman Data Park also purchased 25 Two-Post Racks with CPI MCS Master Cabling Section. MCS virtually eliminates the need for horizontal cable managers by providing frequent 1U spacing of the cable guides that aligns precisely with the rack spacing.

Oman Data Park chose all products in CPI's new standard color, Glacier White. "We opted for white cabinets and that contributed to cost reduction on electrical fixtures and energy expenses. The data center also looks much brighter and better!" exclaimed Wahaiby.

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With this robust data center infrastructure, Oman Data Park was able to run more than 30kW per cabinet without overusing provision cooling.

"With the CPI Vertical Exhaust Ducts, the whole data center is operating as a cold aisle and at a temperature that suits everyone, including the machines that are able to run on maximum efficiency," Wahaiby explained.

Result: Delighting the Customers

Although the cost of energy is not a huge concern in the Middle East, Oman Data Park had issues with its power budgets. CPI's experts were key in helping the company meet its budget goals.

"We had to do more with less ... this is one of the distinct areas we found that CPI excelled in. Their technical advice was very valuable, and there was a lot of synergy in our thought processes," claimed Wahaiby.

CPI's cable management accessories organize Oman Data Park's data center, making it look neat and clean.

> **In the end, CPI had the best solution, technical know-how from a design and implementation perspective, easy-to-deploy products, low service and maintenance required, and the flexibility of the products and company**
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Today, Oman Data Park boasts a state-of-the art data center and is now able to provide a healthier and safer working environment to its employees.

"In the end, CPI had the best solution, technical know-how from a design and implementation perspective, easy-to-deploy products, low service and maintenance required, and the flexibility of the products and company," Wahaiby recalled.

The second phase of construction is scheduled to begin in 2014.

"At the end of the day, all these benefits get passed onto our customers, and there can be nothing better than to delight our customers," Wahaiby stated.

About Chatsworth Products
Chatsworth Products (CPI) is a global manufacturer providing voice, data and security products and service solutions that optimize, store and secure technology equipment. CPI Products offer innovation, configurability, quality and value with a breadth of integrated system components, covering virtually all physical layer needs. Unequalled customer service and technical support, as well as a global network of industry-leading distributors, assures customers that CPI is dedicated to delivering products and services designed to meet their needs. Headquartered in the US, CPI operates global offices within the US, Mexico, Canada, China, the Middle East and the United Kingdom. CPI's manufacturing facilities are located in the US, Asia and Europe.

CPI is listed with the General Services Administration (GSA) under Federal Supply Schedule IT 70. Products are also available through GSA Advantage and through Government Wide Acquisition Contracts (GWACs), including GSA Connections and NITAAC-ECS III. (www.chatsworth.com/gov)

About Oman Data Park
Oman Data Park is a joint venture between Omantel, the leading telecom services provider in Oman and 4Trust LLC, the leading data center company in Oman. As the first managed service provider in Oman, Oman Data Park's vision is to transform the market to provide a future where IT services are available on demand (http://www.omandatapark.com/).