SYARIKAT AIR DARUL AMAN (SADA) SDN. BHD.

A Vertiv Case Study

ABOUT THE COMPANY

Syarikat Air Darul Aman (SADA) Sdn. Bhd. ensures the delivery of clean, quality water to the residents of Kedah in Malaysia. It is a wholly-owned subsidiary of Kedah Darul Aman and is the successor to the Kedah Water Supply Department, which was incorporated on January 1, 2010. SADA's mission is to provide clean water, abiding by the standards set by the World Health Organization.

Case Summary

Location: Malaysia

Vertiv Solution:

- SmartRow™ Plus

Critical Needs:

SADA wanted to build a new data centre which will be housed in its new building in Alor Setar. However, the data centre room was not very spacious, thus the customer needed a solution with a small footprint but powerful to support its IT requirements throughout the region. In addition, SADA wanted an infrastructure with a low total cost of ownership and high energy savings, without compromising on efficiency and availability.

"We were looking for a solution that can be quickly deployed so our business operations would not be hampered," said Muahamad Fauzi B. Haji Romli, ICT Technician of SADA. *"Speed, flexibility and efficiency are the main considerations in going for an integrated approach to our critical infrastructure."*

Situation:

SADA strives to provide world-class clean, quality water supply to thousands of consumers in the Kedah area. It seeks to do this through an efficient system of controls and monitoring, utilising the latest technologies to provide excellent customer service. However, the company's IT infrastructure consisted only of a server room supported by comfort cooling, which was not enough for its growing technology requirements. Thus, in 2013, SADA set out to modernise its server room with a new data centre build in its new building in Alor Setar.

SADA approached Kascom Technologies for this requirement, who in turn provided SADA with Vertiv's SmartRow™ Plus solution for its critical infrastructure requirements.

The Solution

SADA explored several vendors and solutions for their new data centre build. In the end, they opted for the SmartRow™ Plus.

"We were looking for a complete solution and the SmartRow™ Plus was the only one that met our requirements for a total data centre package," according to Romli.

Kascom worked closely with FPS (M) Sdn. Bhd. and Vertiv's Malaysia team to install the SmartRow™ Plus solution to SADA's Alor Setar data centre. The solution consisted of eight racks, fully integrated with power, thermal and monitoring solutions in a small footprint. In addition, the SmartRow™ Plus is flexible, with provisions to increase capacity if and when SADA requires.

"Out of all the solutions, the SmartRow™ Plus was the most viable for SADA's new data centre. Its compact and energy saving design will give SADA significant savings in their electricity bill and is definitely a significant upgrade to their old server room with traditional CRAC unit," said Lee Chiun Lin, Sales Manager of FPS.

The Outcome

Ordering, delivery and installation of the SmartRow™ Plus to SADA's new data centre took only two weeks. The SmartRow™'s plug-and-play feature allows for minimum installation time and is simple to operate. In addition, the solution gave SADA the flexibility to scale up or down depending on future requirements.

"This is definitely a unique solution in the market," said Romli. *"We are very happy with the outcome and look forward to working closely with Vertiv and its partners in the future."*

"Customers nowadays require speed when deploying critical infrastructure," said Hitesh Prajapati, country manager of Vertiv in Malaysia. *"As much as possible they would want to minimise delays in their business operations and as such require solutions that are fully integrated. Vertiv's Smart Solutions portfolio is perfect for locations with limited floor space and for businesses that require speed, flexibility and efficiency in deploying their critical infrastructure. Additionally, these solutions have provisions for future growth, meeting the varying demands of businesses."*

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