

CASE STUDY

NATIONAL CENTRE FOR WASTE MANAGEMENT, RIYADH: RESOURCE-SAVING DATA CENTRE SOLUTION

With a Smart Modular Data Centre from Datwyler the Saudi Arabian waste management authority achieved a flexible, scalable and energy-efficient IT infrastructure solution.

The National Center for Waste Management (MWAN) is a Saudi Arabian government authority responsible for managing the kingdom's waste and promoting more sustainable waste management practices. The MWAN is pursuing the goal of designing the waste sector effectively and sustainably by improving tried and tested procedures and using state-of-the-art technologies.

Last year a data centre was installed in the Riyadh head office to support the authority's business operations. A Smart Modular Data Centre from Datwyler was selected.

In September 2022 Datwyler Middle East together with its local partner Zamil Information Services successfully installed and handed over the solution. The data centre solution was custom-made to meet specific MWAN requirements. It features modular components which can be reconfigured and scaled as required. This flexibility ensures that the user can always react to changing business requirements without the need for expensive and time-consuming infrastructure upgrades.

Reduced CO₂ footprint

The new data centre at MWAN head office comprises six IT racks, two in-row coolers and a power rack designed for an IT load of 30 kVA. The modern cooling system is highly efficient and environmentally friendly: it maintains the optimum operating temperature, at the same time keeping energy consumption to a minimum. This enables the authority to reduce its CO₂ footprint and cut its operating costs.

Datwyler and Zamil Information Services collaborated closely with the team from MWAN to ensure that the



installation and configuration met the specifications. The installation was completed on time – with a brief interruption in business operations which had been allowed for in the schedule. As far as cost was concerned it was also completed within budget.

Extremely positive results

“The solution gives us the flexibility and scalability which we need to be able to react quickly to new requirements, and will help us cut our energy consumption and operating costs,” summed up Bilal Alshabbah, MWAN Senior Infrastructure Consultant, following the successful handover of the data centre. “The expertise and support of the Datwyler team members during the whole project were invaluable, and we look forward to working with them again in future.”

With ongoing support and maintenance services Datwyler Middle East is ensuring that the new data centre will always continue to deliver the best performance.

(November 2023)