

CASE STUDY

MUSTAQBAL UNIVERSITY, BURAYDAH: CUTTING EDGE TECHNOLOGY FOR RESEARCH AND TEACHING

At a private university in Saudi Arabia a Datwyler data centre is helping to improve the quality of education – and at the same time reducing the ecological footprint.

Mustaqbal University is a prestigious private university in Buraydah, the capital of Saudi Arabia's Al-Qasim Province. It consists of three colleges: dentistry, administration and humanities and computer science. The university is committed to meeting the highest standards in higher education and providing its students with the best resources in the digital age. Therefore it attaches great importance to an excellent communication and IT infrastructure which is a key factor for the quality of training.

In order to further develop its digital infrastructure, Mustaqbal University commissioned a new data centre last year. This data centre is not only a significant step on the path to digital transformation, but also to greater sustainability and efficiency.

The university chose a Smart Modular Data Centre (SMDC) from Datwyler – a state-of-the-art and energy-efficient solution



that also offers a flexible and scalable design. This allows for easy expansion and updates when needed as the university continues to grow.

At the beginning of 2022 Datwyler Middle East designed, installed and successfully put the data centre into operation together with the company Green Way. Particular attention was paid to not disrupting ongoing university operations if possible.

Seamless digital experience

The Smart Modular Data Centre is a Tier III solution. In the current expansion stage it consists of four racks and an energy-efficient cooling system with in-row coolers. The completely closed solution optimises power consumption and reduces the university's ecological footprint. It also offers a high level of safety thanks to the integrated fire extinguishing system. The high service availability of both power supply and network connection



tions ensures a seamless digital experience for teachers, students and administration.

More digital possibilities

Beyond the technical aspects, the university's data centre solution helps improve research and teaching by enabling comprehensive data analysis. In addition, it contributes to an environment that promotes innovation.

"The project and engineering teams from Datwyler, Green Way and the university demonstrated exceptional expertise and professionalism throughout the entire process," explains Abdullah Aboudi, head of the university's IT infrastructure department. "They ensured a smooth and rapid deployment with minimal disruption to our daily activities. In this respect we are very grateful for the contribution that the Datwyler team has made to improving the university's digital capabilities."

"This project is a good example of what can be achieved when you combine cutting-edge technology with a commitment to excellence and progress," emphasises Asem Shadid, Managing Director of Datwyler Middle East. "As Mustaqbal University takes a big step into the digital future, Datwyler's intelligent data centre solutions are driving progress and enabling educational institutions to have a lasting impact on society."

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