

CASE STUDY

MASDAR SOLAR, TABUK: AN OUTSTANDING SERVICE

The photovoltaic module producer Masdar Solar has installed a future-proof IT infrastructure solution from Datwyler in its factory.

Masdar Solar in Tabuk is a production facility of Bin Omairah Renewable, based in Riyadh. The factory is located near Neom City, a planned city implemented by the government and designed to feed its energy requirement exclusively from wind and solar energy. Bin Omairah has created the 27,000 square metre plant in order to supply Saudi Arabia with cutting-edge photovoltaic modules. It is thus an important building block of project "Vision 2030", the government's ambitious plan to reduce the country's dependence on petroleum.

In order to ensure the optimum functionality of the factory as well as of plant and machinery, Bin Omairah decided on a high-performance IT infrastructure solution from Datwyler.

The Datwyler Middle East team has supported the company in the design and implementation of its communication network together with Blinks, its distributor, and its Solution Partner Banan. As a result it was possible to find and install a suitable solution for the passive infrastructure which met all the requirements of the production site.

Integrated end-to-end solution

The core of the IT infrastructure at Masdar Solar is the Smart Modular Data Centre. This occupies only two IT racks which Datwyler has supplied "plug and play", including power supply and cooling, fire alarm and fire suppression, physical security, an environmental moni-



toring system and a preassembled cabling solution in copper and fibre optic technology.

The communication network itself, which was installed on the factory site in November 2021, is a Datwyler end-to-end solution comprising around 1000 Category 6A data connection points and an OS2 fibre optic backbone.

"We are grateful to Datwyler and Banan for their outstanding service," says Eng. Fahad Bin Omairah, owner of Masdar Solar. "We are really impressed by the prompt support we experienced. This helped us a great deal in completing our project on time. We are also happy that the high quality standards have been complied with – and are very confident that this will remain the case in future."

(January 2023)