



Case study

Ensto enclosing solutions

Case study

Ensto Bringing power from the sun

Can we bring
power from the
sun?

Absolutely.



The customer

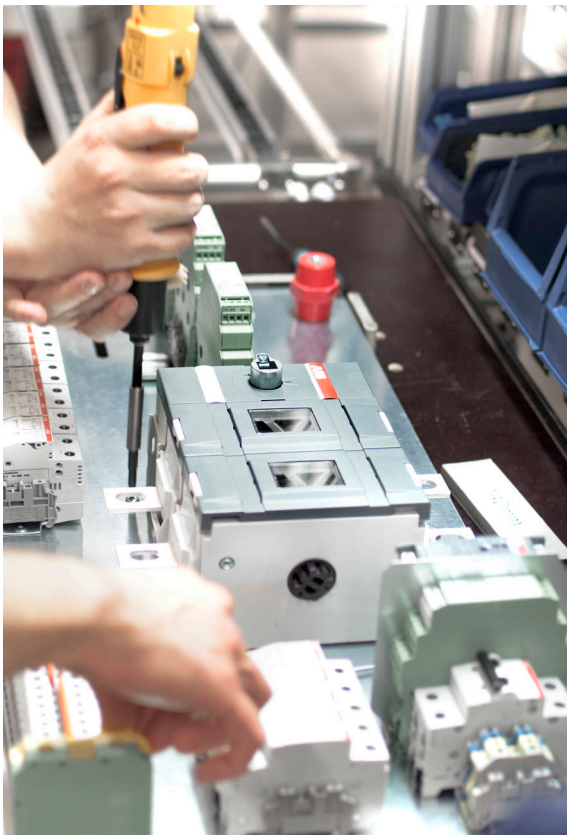
Ensto is a global company that manufactures and commercializes electrical equipment and solutions for a wide variety of electricity generation and distribution applications.

Part of their offering includes enclosing solutions, which ensure protection and reliable performance of the internal electrical devices in any type of environment. Ensto's products can be customized, in order to provide the best technical and cost efficient solution for the specific application.

The challenge

Ensto bid for a major contract for the design and manufacturing of string monitoring junction boxes, which are part of a PV installation project delivered to Honduras. To be able to win this contract, Ensto needed a high quality switching solution that would enable the overall design to be safe, well-performing and efficient in terms of space and energy.

In addition to that, Ensto had to consider climatic factors such as high temperature and humidity and needed to guarantee that the junction boxes would have a reliable performance in this demanding environment.





The ABB solution

Achieving the specified power level of the junction box meant a higher current level from the incoming strings. This would typically require a bigger switch but instead of that, Ensto selected a two pole OTDC 315 A that met the required current level but is of smaller size. As a result, they could save space inside the enclosure, allowing a clear layout for other components while maintaining the sleek design and simplistic look of the junction box.

OTDC switch-disconnectors, specifically designed for PV applications, offer a high quality and high performance. Despite the specific, customized nature of the junction-box design, by choosing OTDC Ensto ensures proper operation, safety of personnel and clients' peace of mind. OTDC is a switching solution that offers a flexible platform, but is thoroughly tested in accordance to standards, and globally certified.

Big performance Compact size



ABB's two pole OTDC switches were a compact fit for Ensto's string monitoring junction boxes used in demanding solar applications.

Contact us

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> Low Voltage Products and Systems

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