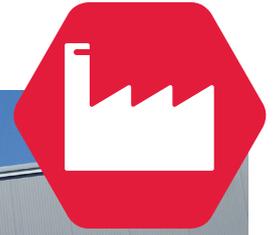


Reference – SolarEdge

Tsiporit, Israel



Telelift in the production of solar components at SolarEdge

The Customer, The Requirements, The solution



SolarEdge is a provider of photovoltaic energy generation, optimization and monitoring systems. The company is headquartered in Israel with development sites in 16 other countries.

The company, which was founded in 2006, has enjoyed continuous growth and has been listed on the Nasdaq since 2015. It is one of the market leaders in the field of photovoltaic components.

In late 2019, SolarEdge announced plans to build the Sella 1 manufacturing facility in Israel. The plant is the company's first own production facility. So far, most of the production has taken place in OEM production sites. The name Sella 1 was chosen in honor of SolarEdge's founder Guy Sella, who passed away in 2020.



As part of the new production facility in the Tsiporit industrial park, near Nazareth in Galilee, Israel, a Telelift MultiCar System has been installed

The system connects the central warehouse with the placement machines of five different production lines in seven different target stations. These production lines are used to manufacture solar power regulators and converters.

The MultiCar transports plastic transport containers with a size of 787 x 550 x 410 mm. These containers can be loaded with various electronic and mechanical components for the production of solar power regulators and converters. Their transport weight is max. 21 kg.



After checking the weight and scanning a barcode, the in-house enterprise resource planning system (ERP) assigns a target number and transfers it to the MultiCar devices via an interface to the Telelift system. The loaded transport container is then automatically loaded into the vehicle by a roller conveyor to be transported to the destination.

In the destination station, the transport boxes are unloaded on a roller conveyor. The MultiCar vehicles can return empty containers back to the central warehouse on departure. In this way, empty runs are reduced and the existing 21 devices are used almost optimally.

Benefits



- Overhead conveyance ensures maximum flexibility
- Horizontal and vertical conveying with just one system
- Optimal adaptation of the material logistics to the production processes

The routing takes place above the production area. So maximum flexibility in the use of the production area is ensured and the production processes can be optimally coordinated with the material logistics.

SolarEdge opted for a MultiCar system because the space on the floor of the production hall is limited and industrial force lifts were not suitable for the transport.

The system was handed over to the customer in December 2020 and has been running successfully in live operation since then.



Telelift GmbH

Frauenstraße 28

82216 Maisach / Germany

Phone +49 (0)8141 315 910

info@telelift-logic.com www.telelift-logic.com

