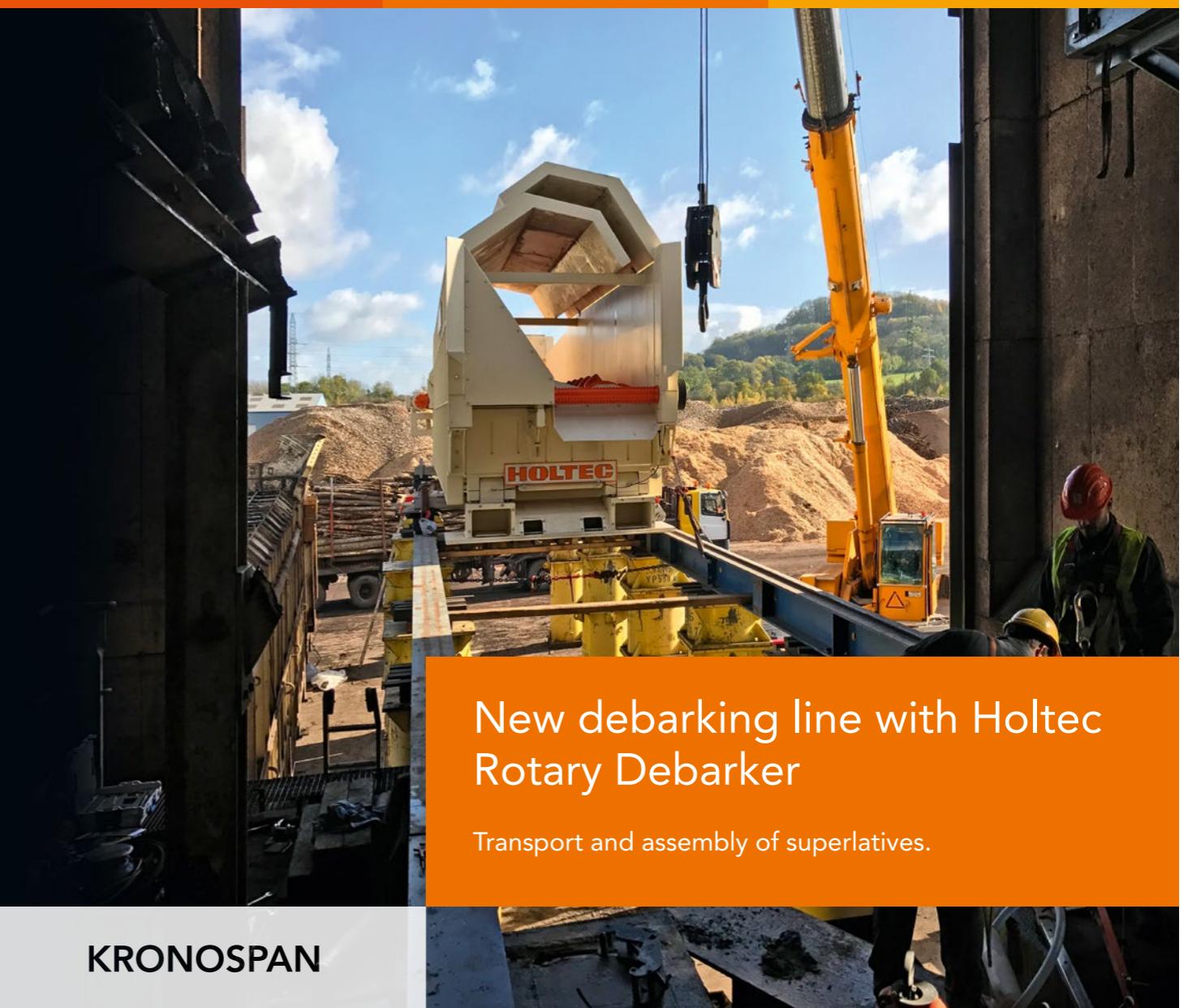
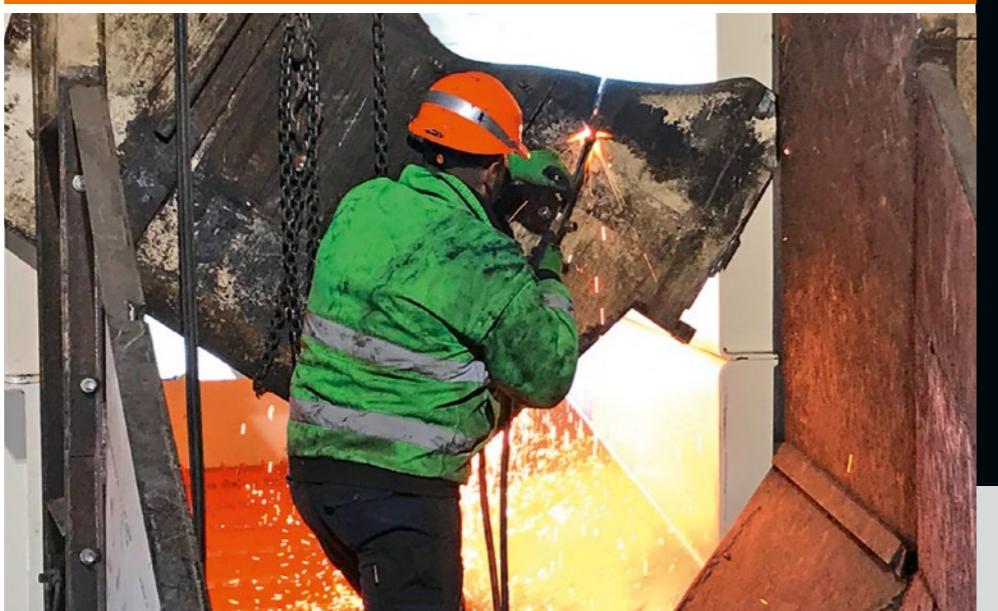
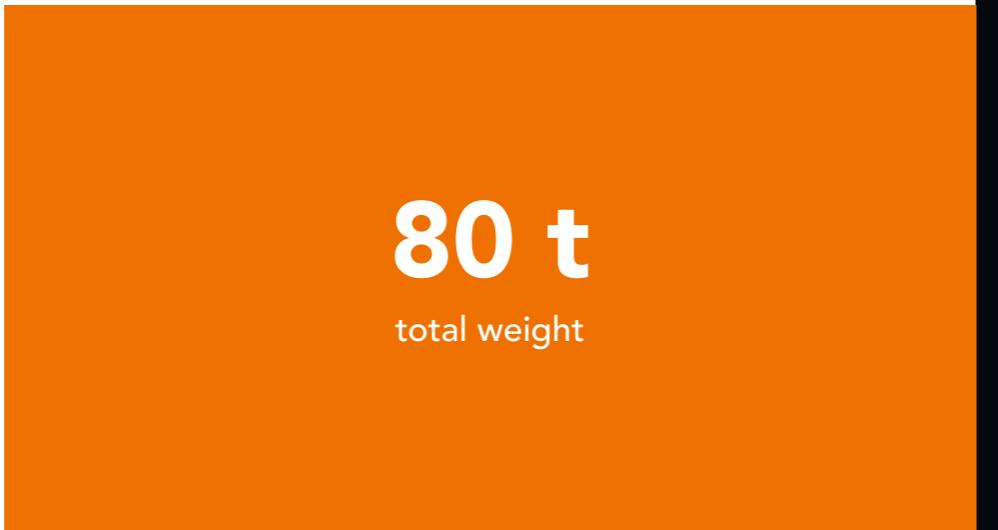


Together we make your project a
Story of success



KRONOSPAN

New debarking line with Holtec
Rotary Debarker

Transport and assembly of superlatives.

HOLTEC

Holtec GmbH & Co. KG
Anlagenbau zur Holzbearbeitung

- 📍 Dommersbach 52
53940 Hellenthal
- 📞 +49 (0) 2482/82-0
- 📠 +49 (0) 2482/82-25
- ✉️ info@holtec.de
- 🌐 www.holtec.de

HOLTEC



Holtec debarker as start of a 330 million project

Order for a new log yard as part of an enormous investment in the company's sustainability

The Austrian Kronospan group produces and trades with wood based materials and is the world's leading producer of particle boards and other wood products. More than 14,000 people at more than 40 sites worldwide work for this company.

Kronospan has operated the mill in Sanem/ Luxembourg since 1994. The investment agreement announced between Kronospan and the Grand Duchy of Luxembourg is a two-stage project. It won't just support the company's expansion, but also the country of Luxembourg in achieving its environmental targets. The ambitious aim is the "Factory of the future" – the result will be the most sustainable enterprise of the future.

Kronospan wants to invest a total of 330 million euros in the Luxembourg site within the next few years. First they want to exchange the multi-daylight press for OSB which has been working since 1996. The system was indeed the first OSB installation in Western Europe. For replacement Dieffenbacher will provide a continuous state-of-the art press CPS+.

New debarking line as starting signal

With the first ideas for the new installation it became clear that the existing debarking line will not meet the expectations regarding capacity and availability. Also the running costs and accumulating stops were no longer accepted. It was therefore a quick decision to invest in a modern and up-to-date system concept on the log yard. Together with Holtec a concept for exchanging the debarking line and modifying the infeed had been worked out in which the "sticking points" were detected quickly: the extremely narrow space as well as a maximum shutdown period of only 10 days.

Careful analysis of the system's environment via 3D-Scan

Back then, a concrete housing was constructed around the debarker for noise protecting reasons. This was a great limitation for moving the lifting devices. Above the machine there was only a height of 1 m left. To get the exact shapes a complete 3D measuring with the latest scanner technology was made. Based on this the further planning could be done completely in 3D.

Assembly of superlatives

The limited space and the enormous machine weight of approximately 80 tons did not allow for the use of conventional telescopic cranes. New solutions had to be created. Holtec's idea: "Let us build the machine in one piece and then push it via a basement to the new site!" Together with a company experienced in special and heavy loads an hourly based plan was found and realised. They worked day and night to keep the ten days timeframe. From the beginning the motto was: prepare as much as possible and remove work from the site to the construction hall. To prevent machine assembly at site, the debarker had been pre-installed completely in the Holtec factory. A heavy load transport drove the 80 tons machine in one piece to the site "just-in-time". Old machine out – new machine in – the most difficult part had been done in only 3 days. Just in time the 06.11.2017 the first log ran over the debarking line, the same day the system started producing in 3-shift-operation.

New electric drive concept

Kronospan always seeks to take over the market leadership also from the technological point of view. So it looked for new, innovative possibilities to exchange the hydraulically operated drives. Energy efficiency, availability, low maintenance costs as well as a long life time were the main criteria which had to be fulfilled. It became clear that the classical three-phase motor has important advantages against the hydraulic motor. Together with a specialised engineering company, a driving unit had been developed which exactly meets the rough conditions - a solid helical gear box which is designed for the remarkable torque speed of 35.000 Nm.

Successful partnership for more than 15 years

With this order Kronospan continues the long collaboration with Holtec. The Luxembourg project is the 20th large-scale order to the company located in the Eifel. Holtec equipment is working at all OSB-production sites of the Kronospan group, for Holtec the Sanem site however is an emotional one. Here in 1999 the first stair feeder had been installed – the initial spark for Holtec's success in the wood working industry. Meanwhile more than 70 separating and feeding conveyors of the "stair feeder" type have been delivered – this technology is a central conveying element in nearly all log yards.



"Let us build the machine in one piece and then push it via a basement to the new site.

Production manager Regis and OSB production manager Herve Guebel

