

Terex Cranes France

Risk management at the heart of performance

Terex Cranes France improved the quality of its stackers by associating reliability analysis, mechanical expertise and the knowledge of materials.

This risk management enabled it to improve the performance of its equipment.



OUR CUSTOMER

Corporate name

Terex Cranes France

Activity

Manufacture of lifting and hoisting equipment

Sales turnover

170 million euro

Country

France

Workforce

350 people

Established in Montceau-les-Mines, Terex Cranes France (former PPM) builds lifting and hoisting equipment, mobile cranes and stackers, hoisting machines for stacking up containers for storage operations in harbours. To make its equipment more reliable, the company called upon the know-how of the engineers of Cetim's cluster "mechanical components fatigue" (FCM).

A beneficial flashback

"We manufactured for years mobile crane booms using folded sheet metal and we wanted to adapt this technology to our lifting cranes for containers", says Jean-François Auvigue, in charge of the design department.

Folded sheet avoids, in fact, having to carry out weldings at the corners of mecano-welded components. *"But we then found ourselves with two different boom concepts", continues Jean-François Auvigue. In order to choose, Terex Cranes France asked Cetim to carry out comparative studies on both technologies. "These studies showed the validity of the mecano-welded construction technology which, although older, remains quite competitive and much*

safer", explains Jean-François Auvigue.

A real risk control strategy

But this is not the only benefit! *"The studies carried out by Cetim highlighted technological improvements possibilities that we could implement immediately. They also allowed us to set up a real risk strategy", says Jean-François Auvigue.*

Results: Terex Cranes France is today working out a new stacker crane boom able to hoist 45 tons over a height of six containers instead of five.

Cetim's asset



The operating reliability analysis in the customer's plant and the control of fatigue failure risk constitute considerable assets. This is one of the specialities of Cetim's cluster "mechanical components fatigue".