

INDUSTRIAL CRANES  
NUCLEAR CRANES  
PORT CRANES  
HEAVY-DUTY LIFT TRUCKS  
SERVICE  
MACHINE TOOL SERVICE

AUTOMOTIVE INDUSTRY

**KONECRANES**<sup>®</sup>  
Lifting Businesses<sup>™</sup>

Renault Car Corporation, Douai and Sandouville, France

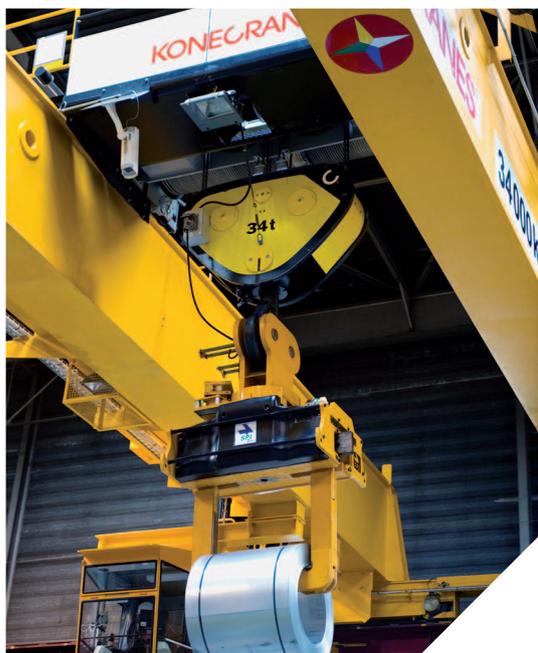
# SMARTER WAY TO LIFT



### The Challenge

At the sites in Douai (59) and Sandouville (76), Renault manufactures pressed parts which make up the body of the vehicles they assemble. In these two factories, a crane unloads coils of steel from trucks or wagons, and then picks up these coils again to supply the stamping presses. These two strategic cranes have reached the end of their life and have been requiring a great deal of corrective maintenance. Moreover two roller tracks are old and have caused abnormal wear of the movement rollers.

On the other hand, the layout of the workshops is different, the users at Sandouville wanted to prevent the crane from passing over certain zones for the safety of the personnel and the machines.



Furthermore, to improve the output of the workshop, the project manager at Sandouville wanted a positioning aid to supply the machines more quickly.

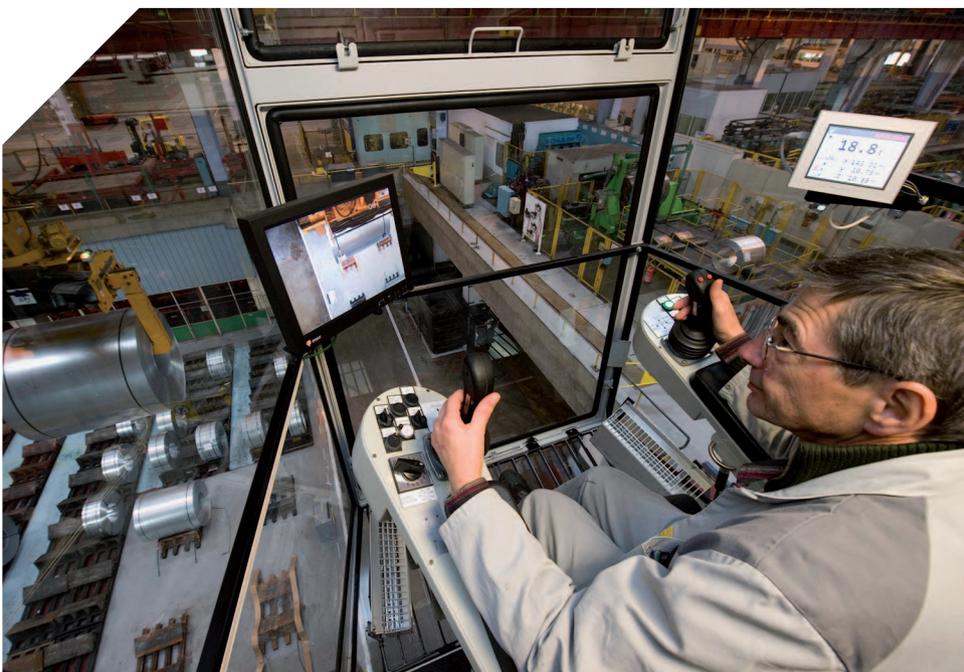
### The Solution

The Renault site at Douai is a loyal Konecranes customer, three Process cranes were installed in recent years, so we chose to meet the needs for the two sites with a global solution.

The many adaptation capabilities of SMARTON<sup>®</sup> enables us to select the functions according to the particular needs of the customer.

For the site at Douai, we chose a SMARTON<sup>®</sup> 34 T, M8 classification, with the main control in a fixed cabin. The speeds and lifting height match the RENAULT Process perfectly.

For the site at Sandouville, we used the same SMARTON<sup>®</sup> 34 T M8, but with the zone protection function. The telemetry lasers prevent any



collision of the hook with the access footbridge to the offices.

The programming of the two points for unloading the coils was easy to set up thanks to the Auto Positioning function.

### The Results

The Konecranes project team worked closely with the Renault representatives and within a very short time, the two sites were equipped with a SMARTON<sup>®</sup> crane with a cabin with remarkable ergonomics.

Renault has always placed a lot of importance on the safety and working conditions of its employees. The arrangement of the SMARTON<sup>®</sup> cabin is a good example of this and meets the requirements of the crane operators perfectly.

The operators at Sandouville appreciate the occupational safety and are permanently prevented from making wrong movements towards the offices. They make full use of pre-positioning above the machines as well as an automatic return to above the truck delivers the coils.

The Douai personnel are now using the SMARTON<sup>®</sup> with anti-slack that allows safer and more precise handling without swinging the coil.

To guarantee a long service life, the Dynatrack R system was installed on the two cranes. The faces of the rollers are protected and no longer rub against the movement rail.

The advantage of SMARTON<sup>®</sup> also lies in its modularity, so it will be easy to incorporate the Sandouville options and other options in the crane at Douai. SMARTON<sup>®</sup> has no limitations.

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