



**Central Workshop Mechelen**  
**Excellence for Excellence**



# Welcome

## to SNCB's Central Workshop Mechelen

The CW Mechelen is a true center of competence for train equipment maintenance.

Besides our wide range of activities on passenger equipment, we also overhaul vital freight wagon components, such as wheelsets and brake components, in close cooperation with our sister workshop Antwerp-North.

As a result, we can guarantee the delivery of a permanent stock of parts for your overhaul lines, with a constant focus on quality and timing. We aim to ensure you to excel.

Excellence for Excellence!

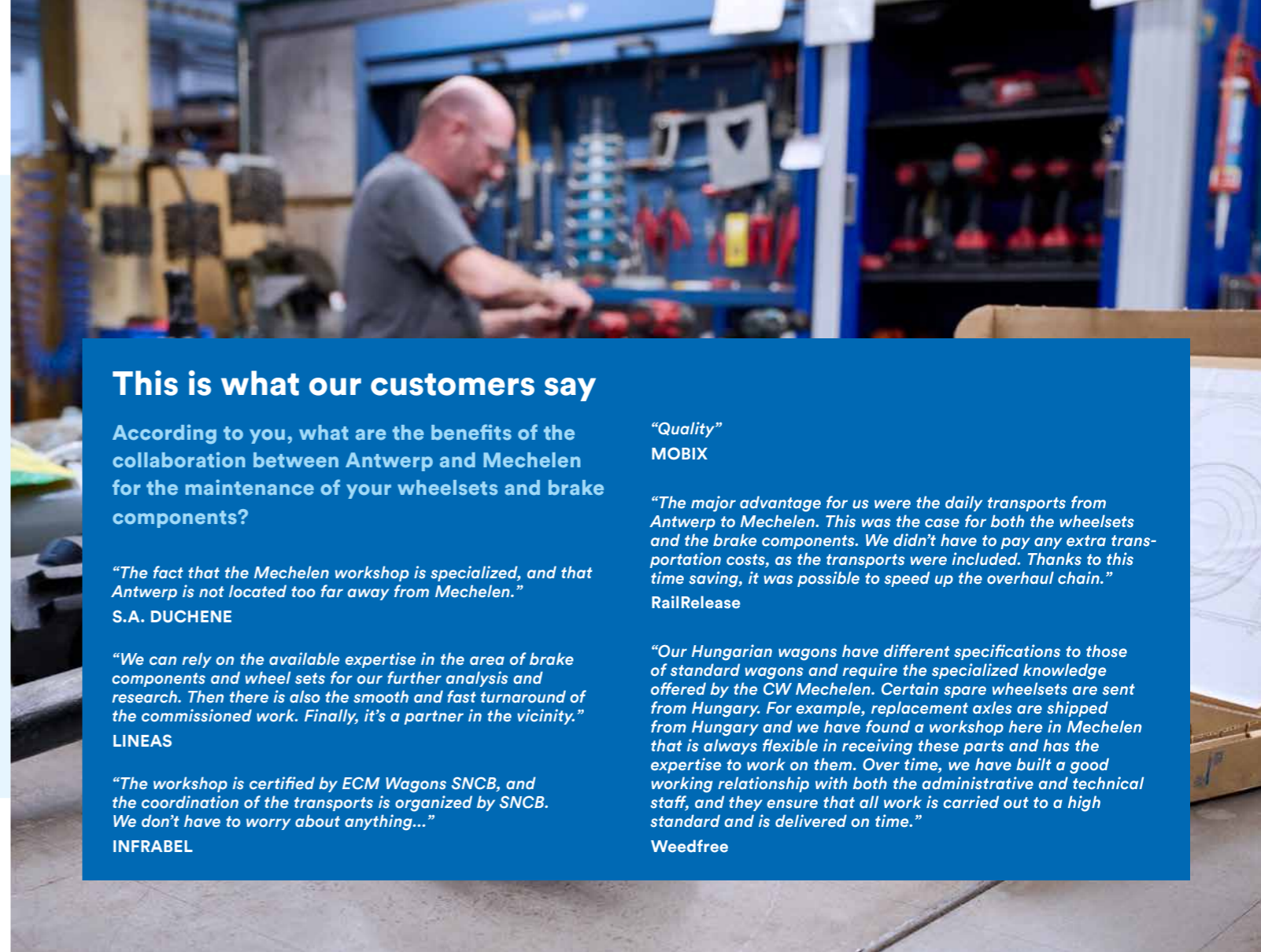


**Tom Alaerts,**  
Head of Central  
Workshop  
Mechelen



**Stefan Creve,**  
Manager Production  
Wagon Workshop  
Antwerp

**Olivier Swaenepoel,**  
Manager Freight  
Wagon Maintenance



## This is what our customers say

According to you, what are the benefits of the collaboration between Antwerp and Mechelen for the maintenance of your wheelsets and brake components?

*"The fact that the Mechelen workshop is specialized, and that Antwerp is not located too far away from Mechelen."*  
S.A. DUCHENE

*"We can rely on the available expertise in the area of brake components and wheel sets for our further analysis and research. Then there is also the smooth and fast turnaround of the commissioned work. Finally, it's a partner in the vicinity."*  
LINEAS

*"The workshop is certified by ECM Wagons SNCB, and the coordination of the transports is organized by SNCB. We don't have to worry about anything..."*  
INFRABEL

*"Quality"*  
MOBIX

*"The major advantage for us were the daily transports from Antwerp to Mechelen. This was the case for both the wheelsets and the brake components. We didn't have to pay any extra transportation costs, as the transports were included. Thanks to this time saving, it was possible to speed up the overhaul chain."*  
RailRelease

*"Our Hungarian wagons have different specifications to those of standard wagons and require the specialized knowledge offered by the CW Mechelen. Certain spare wheelsets are sent from Hungary. For example, replacement axles are shipped from Hungary and we have found a workshop here in Mechelen that is always flexible in receiving these parts and has the expertise to work on them. Over time, we have built a good working relationship with both the administrative and technical staff, and they ensure that all work is carried out to a high standard and is delivered on time."*  
Weedfree

# CW Mechelen

Within a wide range of railway-related activities, we offer overhauls of wheelsets and brake components at the Mechelen Central Workshop, in support of the wagon maintenance chain in sister workshop Antwerp-North.

Like the Antwerp-North wagon workshop, we are VPI - certified to perform IL and IS 1 on wheelsets. IS 2 and IS 3 can also be carried out in Mechelen!

In other words, the CW Mechelen offers real added value for a growing number of wagon owners!

## Discover our expertise on site

Nothing is more convincing than a visit to our workshop. Our colleagues from the wheel shop and the brake department will gladly take the time to listen to your needs and wishes, and offer you a guided tour.

You can also visit our small components production department and see our latest-generation welding robot at work.



# SNCB wagon workshop of Antwerp-North

At the SNCB wagon workshop of Antwerp-North, we offer all types of maintenance work:

- curative and preventive (G 4.8, G 4.2, G 4.0, Br0-3 and IS 1 & IL) wagon maintenance according to your ECM instructions
- wheel profiling on the underfloor lathe
- non-destructive testing VT, PT, MT & UT
- welding work in accordance with EN 15085-2
- onsite production of small repair parts
- specialization in replacement of tarpaulins.

We repair freight wagons from all over Europe at our workshop.

We have various lifting units for coupled wagons and a 100-tons lifting hoist for wheel changes and for working on loaded wagons and RID wagons.

We also offer the necessary space for organizing a stock of wheelsets or other spare parts.

You're welcome to visit our workshop, we gladly make time for you!

# The one stop shop that makes you excel


The CW Mechelen and the Antwerp-North wagon workshop are modern and certified\* all-round workshops. Thanks to well-coordinated cooperation, they guarantee a seamless maintenance chain for your freight wagons.

\* ISO 9001, ISO 14001, ISO 45001, EN 15085-2, DIN 27201-7, EU 2019/779, VPI, ...

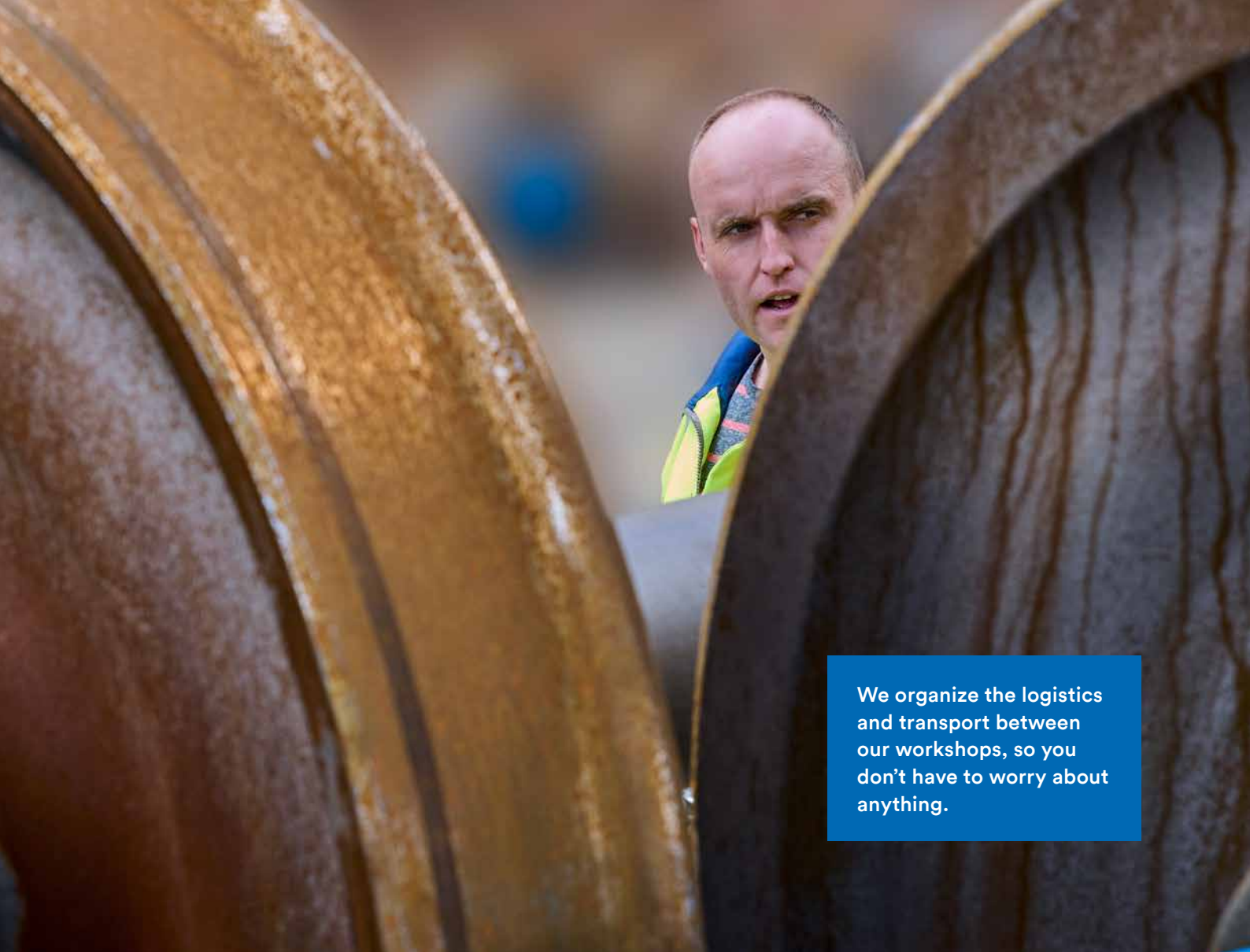


The systematic or occasional replacement of components, such as wheelsets or brake components, can be part of the wagon maintenance.

The sister workshop in Mechelen can offer a real added value, in particular for overhauling wheelsets and brake components. This allows a preparatory pool to be built as also the possibility to respond ad hoc to a punctual order.



In preparation for preventive wagon maintenance, various pools of relevant parts are often set up, which start to rotate as soon as the chain is implemented. Rotating components have a positive impact on the lead times of your wagons in the wagon workshop.



We organize the logistics and transport between our workshops, so you don't have to worry about anything.

# Our specialists

## BOGIE SHOP AND WHEEL TURNING SHOP

*“With more than 50 years of experience on the clock, we guarantee a streamlined chain.”*



**Laurens Plasschaert,  
Manager Production**

Day in day out, we ensure the continuous flow of passenger equipment wheels and freight wagon wheels.

We are VPI and NDT certified for freight wagon wheels.

**Jan Neirinckx,  
Expert Production**



**Wheelset maintenance  
IS 1, IS 2 and IS 3**



# Our specialists

## BRAKE SHOP

*"We apply the strictest quality and safety standards, to guarantee our customers efficient operations and a long service life for their wagons."*



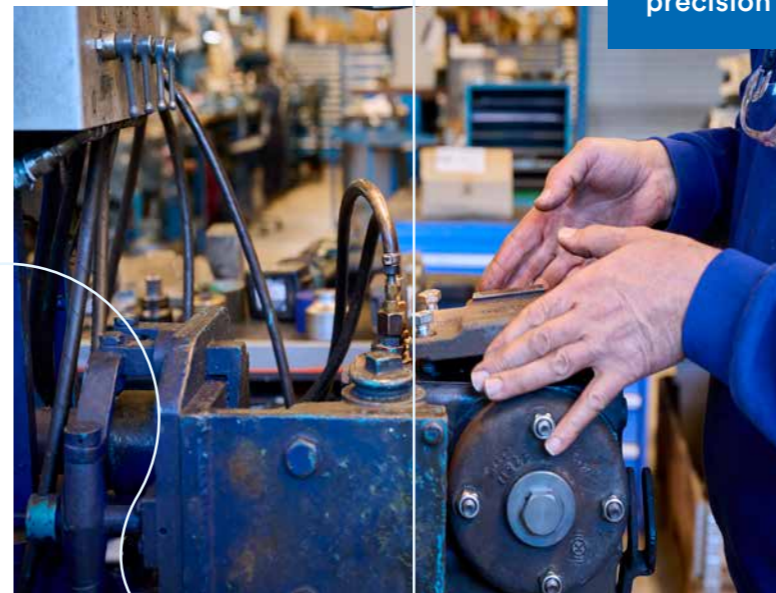
**Steven Smans,  
Manager Production**


The brake shop is crucial for wagon maintenance, and is where components such as brake distribution valves, brake controllers, brake cylinders, AC3D boxes, weigh valves... are overhauled and maintained.

Our workshop supplies overhauled parts, while guaranteeing their safety and reliability thanks to a high-end technical expertise and the timely delivery of components.



Our staff works with precision and accuracy.





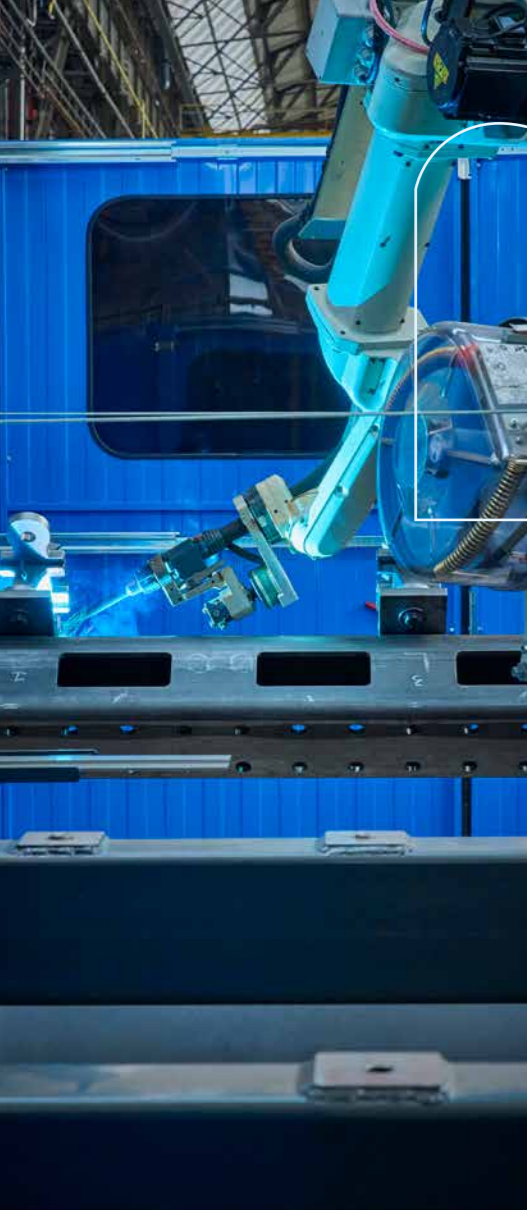
We also handle components that are part of the maintenance in our Antwerp-North wagon workshop as well as components supplied directly by our customers.



Overhaul of brake components:

- Weighing valve DP1, DP 2, WM10, WMS40, F87, VTA
- Hand brake box ISAJAX
- Brake controller SAB, KNORR
- Brake AC3D box
- Brake distribution valves Ke0, Ke1, Ke2, Oerlikon Est (+HBG), C3W, SW4
- Brake relay ALR150, VCAV, IP2E, KNORR RLV





# Our specialists

## WELDING

*“Everyone who comes to us can count on certified expertise and highly trained staff.”*



**Pieter Mechels,  
Expert Welding**

With our team of experienced welding supervisors and welding engineers, we are THE leading center of expertise for everything in the field of welding, grinding, heating, cutting and brazing.

We provide our employees with high-quality training and certify them according to current standards. Our EN 15085-2 certificate attests to the excellent quality of our welding work. In addition, we have extensive expertise in non-destructive testing.



Not only do we work with all common metal types, we're also specialized in special alloys such as specific aluminum alloys, manganese steel and cast steel.





## Our specialists

### PRODUCTION YARD

*"We have extensive experience of CNC machining, part production and prototyping."*

**David Maeremans,**  
Expert Production

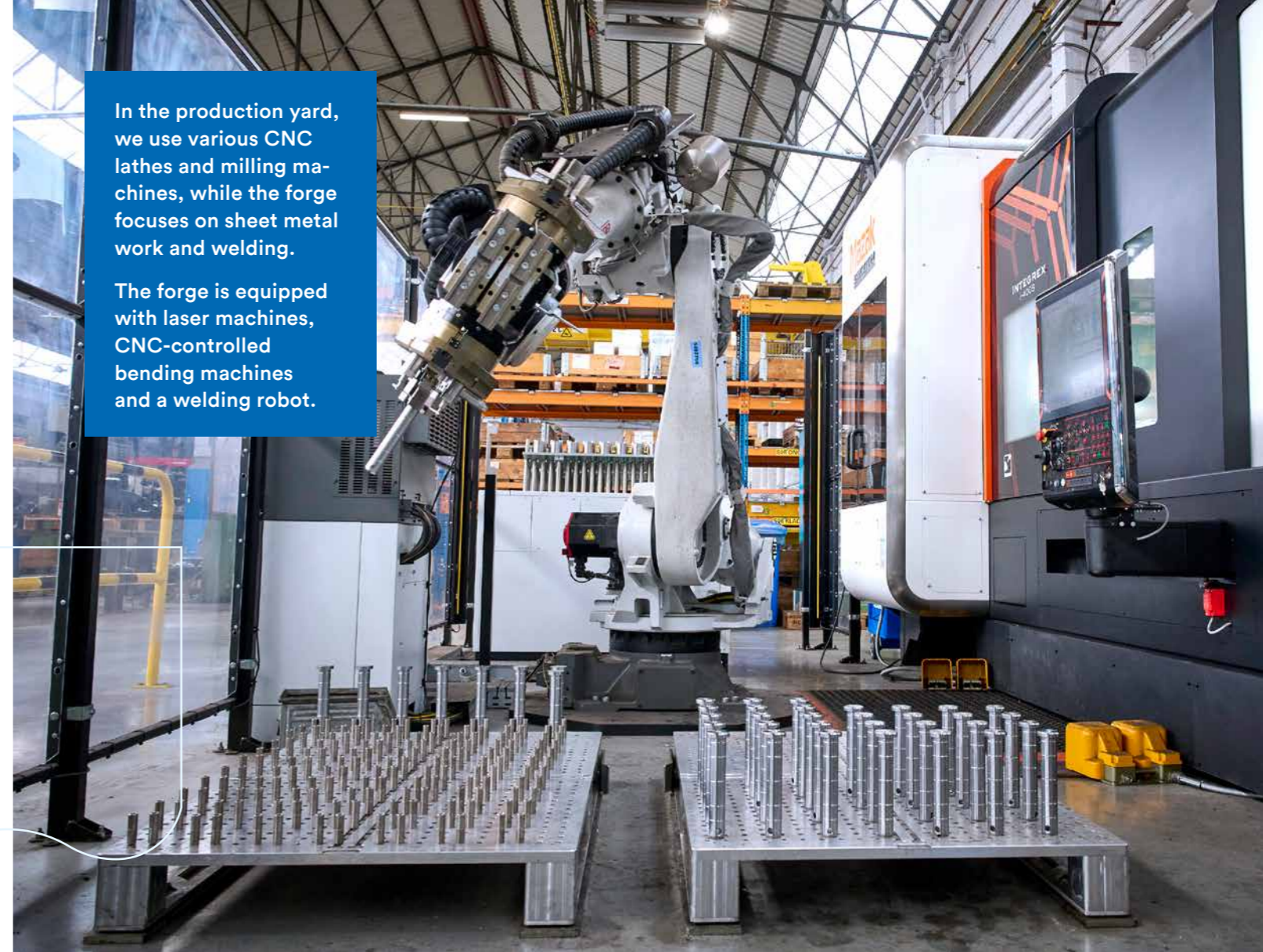
In the production yard and forge, we produce a large number of components for a wide variety of rolling stock applications, using materials such as steel, stainless steel, brass, polyamide...

We also manufacture prototypes and tooling, working closely with our customers to understand their specific needs and develop efficient solutions.



In the production yard, we use various CNC lathes and milling machines, while the forge focuses on sheet metal work and welding.

The forge is equipped with laser machines, CNC-controlled bending machines and a welding robot.





Wagon workshop Antwerp-North (SNCB)

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