



Maintenance & Equipment

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Holmatro Hydraulic Solutions

Powering Innovation for Rerailing, on Every Track

Powering Innovation for Hydraulic Solutions is our DNA.



Almost 60 years of developing, engineering and producing for both high-pressure industrial and rescue applications drew us to the world of rerailing a decade ago.

Our main goal was clear: to develop a lighter, faster system for high-stakes safety and downtime situations, without compromising durability or operator safety. So, how did we achieve this?

We teamed up with experts in the field to combine our knowledge with field experience and needs, leading to the launch of the Holmatro Rerailing System at InnoTrans 2016.

Only ten years later, we are proud to have a proven track record of delivering our rerailing solutions for trains,

metros and trams. And we've supplied them to countries ranging from the Netherlands to Australia, the United States, Spain, China, Thailand, and many others in between.

And the journey has just begun!

As we continue to develop the next generation of rerailing solutions, we remain committed to delivering safer, faster and smarter solutions for railway operators worldwide.

Powering Innovation, on every track.

Johan Knuivers, ProRail: *"The result of our close collaboration was astounding. We have three sets of Holmatro rerailing systems in use, and together they are deployed 50–60 times per year. Due to the lower weight, safety features and ergonomics of the components, the system enables us to work faster and safer. This has **resulted in the fact that we could do our job in two hours less per deployment**. This time reduction and more ergonomic and safer deployment has also led to less absenteeism of our employees."*

Discover Holmatro's Rerailing Systems

SAFE

When working in demanding circumstances and time is of the essence, you want to ensure a safe work environment above all.

- To increase stability and safety, we use **stacking rings** when the cylinders are extracted:
 - Easy to safely place around the plunger of the lifting cylinder
 - Mechanically locks the load in position for a longer time
 - Enabling you to work safely near and under the load
- Easy replaceable **slide bearings** both under and in the traverse sled; a safer operation with less stress on the railway vehicle and the equipment. No steel wheel rollers needed, decreasing maintenance & weight
- An **indicator** on the traverse sleds will alert the operator to the traverse limits, preventing instability

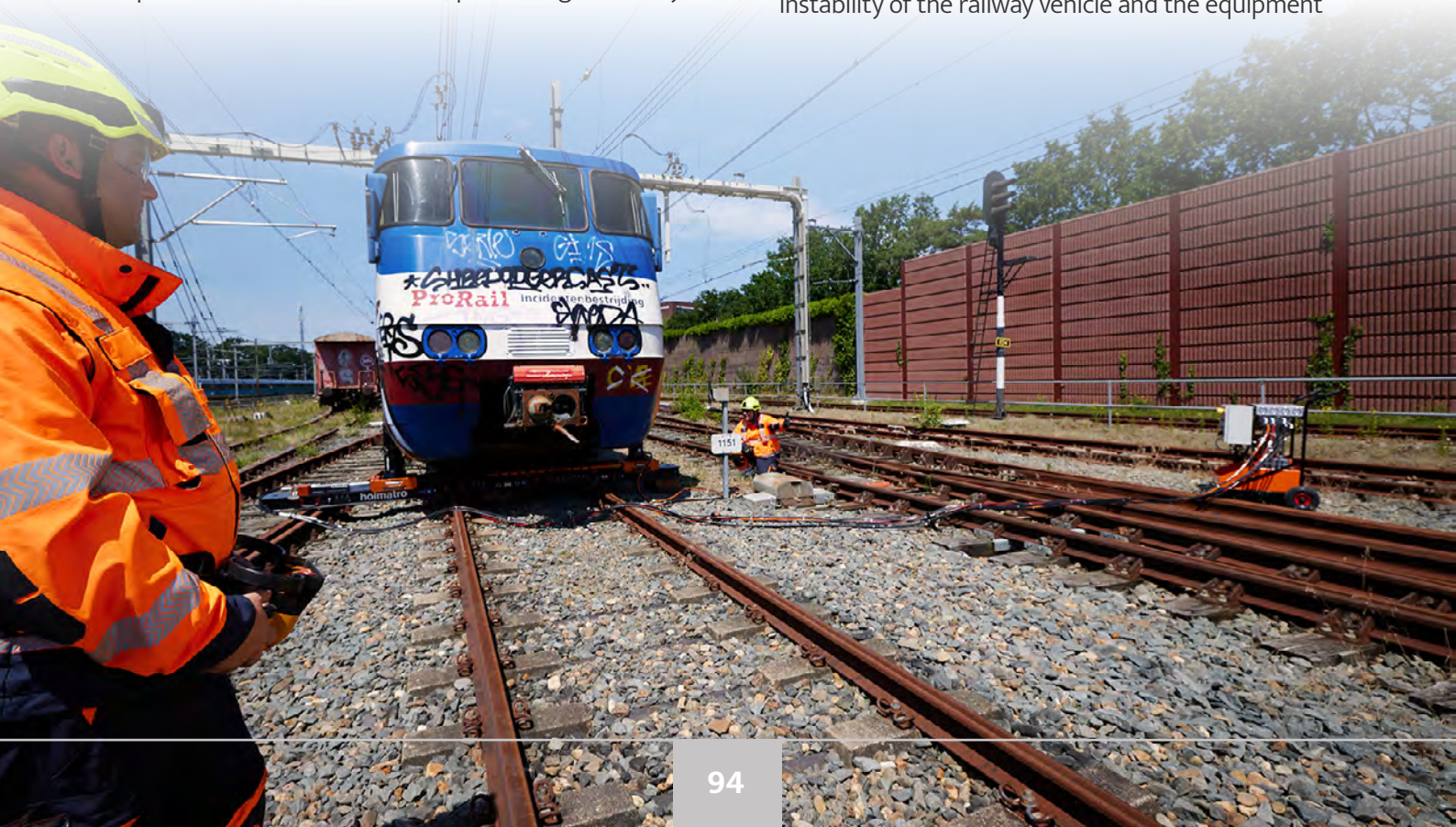
of the railway vehicle and the equipment

- Coloured hoses** & matching colours on the outlets of the pump unit and/or control table; reduces the possibility of incorrect assembly and thus faulty operations
- Load lowering valves** on each cylinder, ensuring lowering is possible in a controlled manner without the load having of influence on lowering
- Integrated **hose rupture security feature** in the lowering valves on each lifting cylinder; ensured safety, because of the load holding function, even in the event of a hose rupture

CONTROLLED

Working with high-pressure hydraulics requires great responsibility. Holmatro high-pressure hydraulic systems are designed to offer you controlled power.

- We offer a wireless, remote-controlled pump unit; no need to carry out a heavy, noisy pump unit into the field
- Our traverse cylinder carries an **equal capacity for both pushing and pulling**, enabling you to both push and pull the vehicle into position, usable in any position and either direction
- Inside the **traverse sleds**, you will find an additional internal sled, compensating for the radius the train makes, working with less or even without repositioning of the system during operation
- An **indicator** on the traverse sleds will alert the operator to the traverse limits; this prevents the instability of the railway vehicle and the equipment



- **Sled fill plates** are used to place the cylinder closer to the lifted object and not lose stroke of the plunger to reach it
- **Adapter plates** are used to position the cylinder directly at the center of the traverse sled or filing plate
- Finally, we added a **locking device**; Should you work in a sloped position, this device prevents the system from shifting downwards and therefore prevents the creation of an unsafe situation

FAST

A system with maximum performance, at a minimum weight.

- Holmatro rerailing cylinders are fully made of aluminum; this makes them sufficiently lighter and way easier to carry (by one or two people)
- Fully aluminum beams, which are lightweight and easy to carry; With the connecting set, you can connect different lengths of beams without the use of special or additional tools
- Our traverse sleds contain sliding bearings made of low-friction Teflon-like material (UHMWPE), and do not have steel wheel rollers, so you will experience:
 - **Less friction**
 - **A huge weight reduction**
 - **Less chance of damaging the beams**
 - **Less maintenance**
- Our traverse struts are fully made of aluminum, and thus lightweight distance bars are used to keep the sleds in position; For stability reasons, Holmatro uses two bars
- Since the traverse sleds have sliding bearings, decreasing friction, **you can work with a lower capacity traverse cylinder, resulting in a lighter cylinder**; With the Holmatro system, only a 12-ton traverse cylinder is required
- All system components have optimally placed grips; easy to carry, by just one or two people, and easy to assemble and disassemble without the use of any extra equipment

Holmatro Compact Rerailing Unit

The lightest solution for rerailing lightweight railway vehicles, with the highest precision.

- Weight ready for use: **only 54kg**
- Easy transportation to the accident
- Easy to install due to its compact dimensions
- Equal, split flow pump unit.
- Core hose technology; press & return 1, single hose enabling you to switch between control

valves, while the pump is running

- **Remote-controlled valves** give you an excellent overview of the situation

From System to Turnkey Solutions

Depending on the customer's requirements, we can deliver various turnkey solutions, from track-ready storage containers with backup power generation to high-specification rail vehicles with integrated staff facilities, including a pantry and seating area.

After Sales & Service Solutions

In addition to quality, we focus on unburdening our customers. Our in-house specialists and global partner network offer direct support, maintenance, spare parts, training, and on-site training & consultancy. Our long-standing experience and the local market knowledge of our partners ensure safe applications, maximum reliability and a longer lifespan.

Our trained rerailing and hydraulic experts travel worldwide to provide comprehensive on-site training following the delivery of your equipment, ensuring your team is fully prepared for safe and efficient operations.

Holmatro Premium Service Programme

In addition to quality, we focus on unburdening our customers. Our in-house specialists and global partner network offer direct support, maintenance, spare parts, training, and on-site training & consultancy. Our long-standing experience and the local market knowledge of our partners ensure safe applications, maximum reliability and a longer lifespan.

Curious to learn more?

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