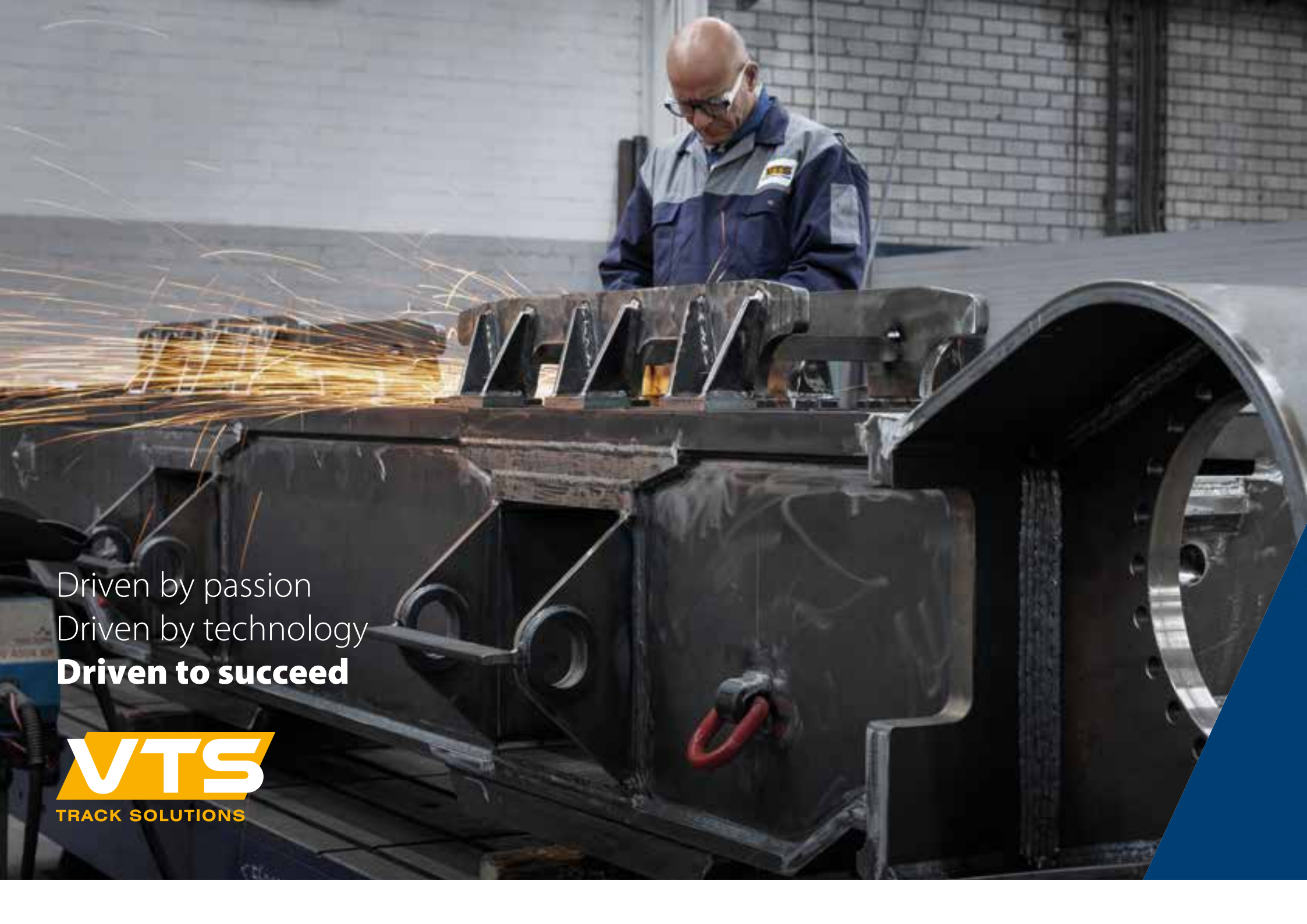


DRIVEN BY PASSION FOR DRIVE ENGINEERING



CRAWLER TRACK UNDERCARRIAGES | POWERPACKS

VTS
TRACK SOLUTIONS



Driven by passion
Driven by technology
Driven to succeed

VTS
TRACK SOLUTIONS

WE MAKE YOUR MACHINE MOBILE

When you have found the perfect machine for your application, we make sure that it can move. Regardless of the conditions and the underground. A load of 100 or 200,000 kg, activities on soggy farmland, an industrial or construction site...

We are up to the challenge!

At VTS Track Solutions, we are specialised in crawler track undercarriages which we engineer and efficiently assemble for you from standard parts and standard modules, at our very own site. That way, you are guaranteed perfectly fitting custom work, unbeatable prices and minimal turnaround times.

Crawler track undercarriage + powerpack = track solution

As your partner, we would like to take it up a few notches and offer you a comprehensive track solution. This includes a powerpack, providing the energy supply needed for both the crawler track undercarriage and your machine. Fuel, electric, hydraulic; everything needed for the optimal functioning of your machine. We provide a track solution that is fully ready to be mounted on your machine. At your request, we will assist you with the assembly as well.

We help you make your ambitions come true

We work in line with your company, whereby our engineers carefully consult with yours to ensure that everything fits seamlessly together. In this process, your wishes are the guiding principle. For example, when you are faced with the challenge of electrifying your machine park, our self-made electric battery powerpacks ensure the autonomous functioning of your machines. That way, we help you meet the latest emission requirements.

When you get to know VTS Track Solutions, you will find that we provide track solutions for everything in a pleasant, no-nonsense manner. We use clear communication and follow through on our promises, from one professional to another.



THIS IS THE ROAD WE'VE TRAVELLED

We are proud of our roots. As a part of the Verhoeven Group, we are a family company with over 60 years of experience. We eventually followed our own path in the market and carved out our very own position. You reap the benefits of our experience and commitment to the sector.

The start of the Verhoeven Group goes back to 1957 with the founding of the Gebr. Verhoeven Oplafbedrijf (Verhoeven Brothers Welding Co.). Tinus and Theo Verhoeven saw an opportunity in the repair and renovation of machinery for roadworks in the Netherlands, which experienced a construction boom at that time. The company has since evolved to become a worldwide player in earth-moving machinery and anything related.

The birth of VTS

From these origins, VTS was created in 2009 as a specialist in crawler track undercarriages, powerpacks and travel drives for machine-builders all over the world. We provide track solutions for machines required to work in the most demanding conditions. During the first 10 years, production remained limited to the workshop of the main location in Maarheeze. In 2019, however, we started up our own production facility in China. This facility allows for a more cost-efficient production of orders for large batches of crawler track undercarriages. During production, we only use A-brands like Berco and VemaTrack undercarriage parts and Rexroth, Parker and Fargo Drives travel drives.

Proprietary A-brands

If the existing market selection does not offer the solutions we need, we develop them ourselves. That's how our own brand VemaTrack was created, which has since become synonymous with A-brand quality in undercarriage parts. In the same way, this led to the creation of our Fargo Drives, in 2016, allowing us to offer specific travel drives for crawler track undercarriages. Whenever no standard solutions are available, Fargo Drives always provides results.





2019 Start of own plant in **China**

FARGO DRIVES

2016 Launch of own brand of travel drives: **Fargo Drives**

2012 Production and delivery of **first crawler track undercarriage with powerpack**

VemaTRACK

2007 Founding of **VemaTrack**

2009 Founding of **VTS Track Solutions**
(back then: VTS Constructions)

VTS
TRACK SOLUTIONS

1986 **Berco** importer for the Benelux

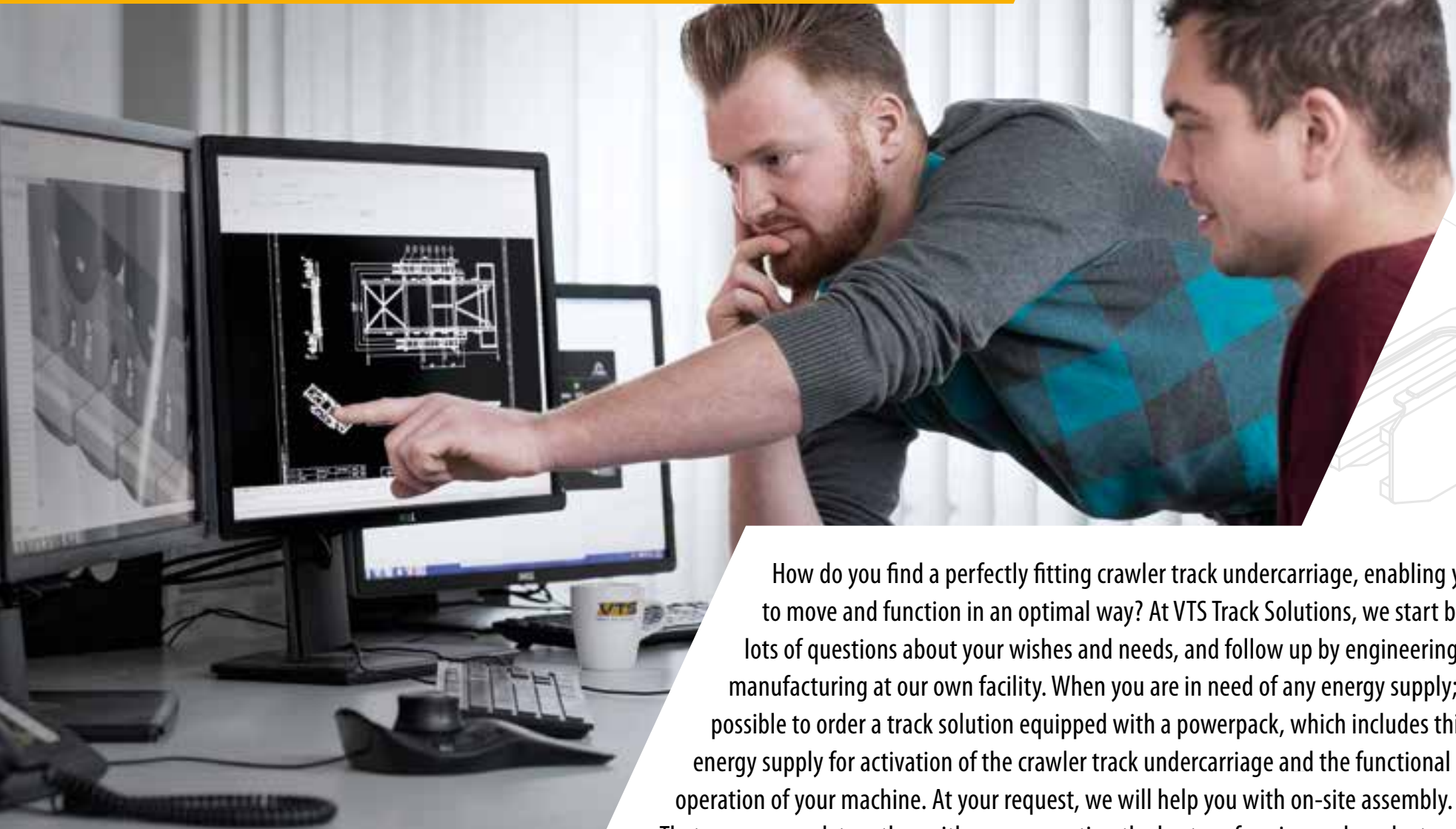
1957 Founding of **Verhoeven Revisiebedrijf**
(Verhoeven Overhaul Company)


VERHOEVEN

DEVELOPMENTS IN THE
FAMILY BUSINESS OVER THE YEARS

Track solutions for machinery.

THIS IS HOW WE WORK: YOUR THREE-STEP SOLUTION



How do you find a perfectly fitting crawler track undercarriage, enabling your machine to move and function in an optimal way? At VTS Track Solutions, we start by asking lots of questions about your wishes and needs, and follow up by engineering and manufacturing at our own facility. When you are in need of any energy supply; it's possible to order a track solution equipped with a powerpack, which includes this energy supply for activation of the crawler track undercarriage and the functional operation of your machine. At your request, we will help you with on-site assembly. That way, we work together with you on creating the best performing end product.

WE ARE HAPPY TO EXPLAIN OUR WORK METHOD: THIS IS HOW WE MAKE YOUR CRAWLER TRACK UNDERCARRIAGE OR TRACK SOLUTION IN THREE CLEAR STEPS.

1 Continuing to ask questions

From your very first consultation with us, you will notice that we ask exactly the right questions. We collect as much information as possible to be able to engineer a solution that is a perfect fit for the application of your machine. We want to know exactly how your machine will be used in combination with our crawler track undercarriage. What is the type of surface, the maximum gradient, is the machine performing the work in static (standing still) or dynamic (while moving) mode? All this affects the choice of the right crawler track undercarriage and potential powerpack.

2 Customisation

Based on your answers in step 1, we use FEM force calculations to take everything into account. That way, you can be sure that the steel frame of your crawler track undercarriage is able to withstand the total power dynamic to which it is subjected, thereby guaranteeing optimal longevity. The same applies to the travel drive: based on your specifications, we calculate which drive is the best fit. From extremely slow and exact processing operations to high-speed applications, we bring everything into account and are able to provide exact technical substantiation for which drive meets your expectations. As your partner, we join your thinking process at every level.

Only when we have a complete picture of the desired specifications, we start the engineering and production process. First, our engineers translate your wishes into a

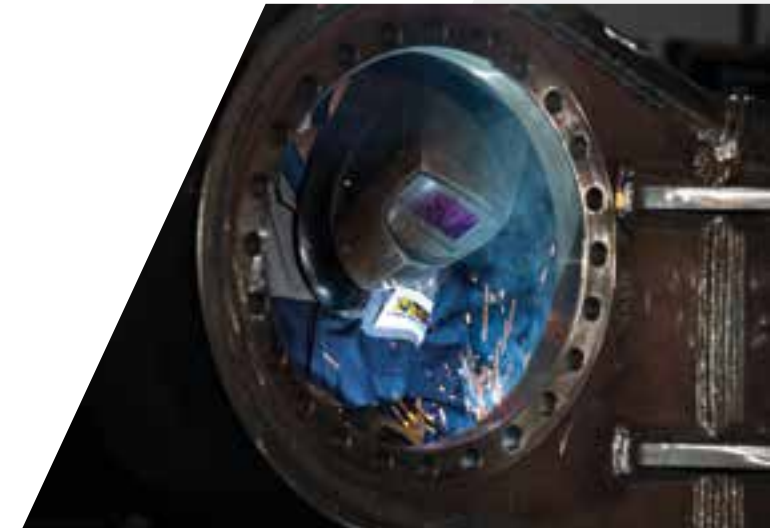
technical concept; then, we put a custom-made product together for you. We thereby make smart use of standard parts and standard modules. At our production locations (Maarheeze & China), the separate parts are welded in a partially automated welding process. The combination of traditional craftsmanship and a high-tech welding system ensures high quality and delivery reliability. For both the undercarriage and the travel drive, we only use A-brands to ensure world-wide availability of separate parts for repair or renovation.

As your partner, we join your thinking process in every possible way. This includes considerations regarding transport as well. We are aware of current, international guidelines and know the axle load and measurement limits that apply to road mobility. For virtually any challenge you may encounter, we came up with a solution at some point. Examples of this are the extendable track frames and an adjusted structural height.

3 Ensuring a perfect fit

Our engineers are happy to work with yours to achieve the best pairing of machine and undercarriage. This may include exchanging 3D drawings to ensure a perfect interface match. At your request, we create the intermediate construction or prepare the assembly points for you, which makes it easy for you to connect the undercarriage and machine. In consultation with you, we select the preservation method that best fits the use of the machine (in any desired RAL colour). Our technicians are happy to visit your location to assist you with mounting the

machine on the undercarriage and to ensure that the power and oil supply from the powerpack is perfectly connected, among others. Only when everything works and the overall picture makes sense, our work is done and your machine will be ready to take on its first assignment.





IN THE WAKE OF EXPERIENCE AND RENOVATION

Top quality from the Netherlands, involvement of a family company, innovative production methods and the drive to improve just a little every single day. That is VTS Track Solutions: your partner for the long run. Driven by passion for drive engineering.





Track solutions for machinery.

CRAWLER TRACK UNDERCARRIAGES: WE GET EVERYTHING MOVING

FROM 1 TO 200 TONS

VTS Track Solutions is a worldwide partner of companies looking for a specific crawler track undercarriage for their machine. We provide a fully operational crawler track undercarriage for, among others, foundation machines, hydraulic platforms, agricultural equipment, shredders, cranes, and many other applications. Using a modular product range and standard parts, we produce the crawler track undercarriage that meets all your expectations.

You are the one selecting the options that fit the crawler track undercarriage you need. A selection of them is shown below:

- / **rubber tracks**
- / **steel tracks**
- / **high speed**
- / **extendable**

RUBBER TRACKS



STEEL TRACKS



HIGH SPEED



Of course we make combined solutions as well, including an extendable, high speed, rubber-track undercarriage, or interchangeable tracks allowing you to change from rubber to steel tracks. Based on your specifications, we create the crawler track undercarriage you need. With the aid of our production facility in China, we are able to produce not only small numbers, but also large batches of crawler track undercarriages in a cost-efficient manner.



BATCHES UP TO 500 UNITS



EXTENDABLE



IN OUR FACTORY IN CHINA WE'RE ALSO ABLE TO PRODUCE LARGE SERIES OF CRAWLER TRACK UNDERCARRIAGES IN A COST-EFFICIENT MANNER.

Track solutions for machinery.

POWERPACKS: FROM UNDERCARRIAGE TO TRACK SOLUTION

To power the crawler track undercarriages and the machine on top, we design, develop and install high-quality powerpacks. In combination with your crawler track transporter, an overall concept is developed: the track solution.

The powerpack provides the drive for the crawler track undercarriage, but can also be developed to meet all energy needs of your machine. This makes us stand out in the marketplace, because apart from the crawler track undercarriage, we also produce the powerpack. This is done entirely at our own location and specifically customised per client. This applies to both the electric and hydraulic part, and we also write the driver software. When developing your track solution, our engineers work in close collaboration with yours to achieve an optimal drive for your machine as well.

We only use standard modules and A-quality parts. Modular custom work speeds up both the engineering and production processes. In addition, the parts used are freely available in any part of the world.

We offer various options with respect to powerpacks and energy supply:

- / fuel
- / electric batteries
- / electro-hydraulic
- / electric

Your track solution rolls out of our workplace and is guaranteed to meet all conditions and standards of the Machinery Directive. All powerpacks are provided with a 2B declaration for your CE certification and a complete user guide plus parts manual.

FUEL



ELECTRIC BATTERIES



ELECTRO-HYDRAULIC





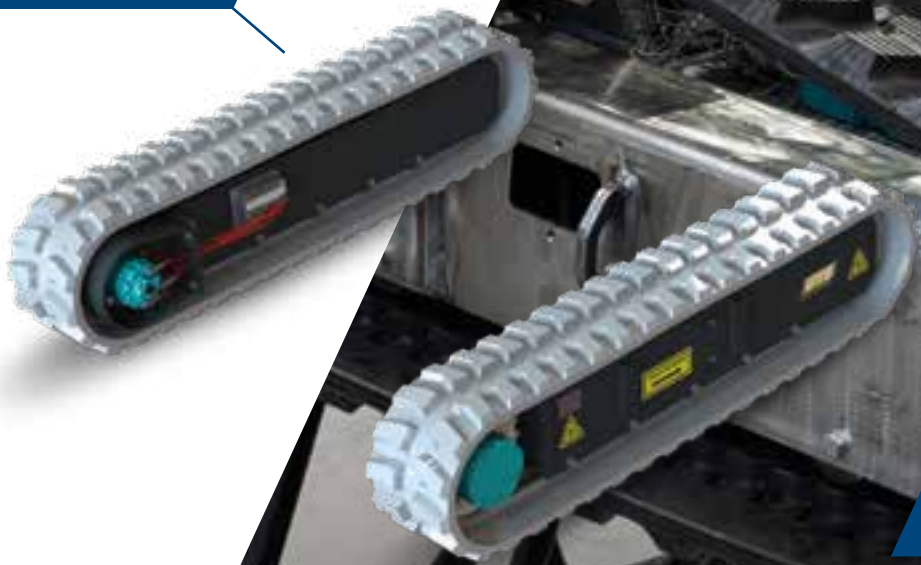
ELECTRIC



WANT TO ELECTRIFY YOUR MACHINE? VTS!

The environmental requirements are becoming increasingly strict, while there is ever more focus on sustainability. Are you striving to electrify your current or new machines? We are specialised in electrically powering heavy-duty industrial applications. This is possible with the use of a high-voltage power feed or a powerpack with an electric battery in combination with a lithium-ion battery. This will ensure the fully autonomous functioning of your machine. Without emissions or noise pollution. Perfect for indoor areas, but also for inner cities where heavy diesel engines are increasingly less welcome. We are happy to share our knowledge with you, to determine together which battery package and electric drive are a good fit for your application.

Track solutions for machinery.



ALWAYS THE RIGHT TRAVEL DRIVE

From our experience with building complete crawler track undercarriages, we became specialists in their travel drives. Usually, we are able to use standard travel drives. We then maintain the original installation dimensions and hydraulic specifications that are globally applied to crawler cranes and crawler type vehicles. If no fitting drive is available, we will custom-make it for you. In doing so, we don't spare any effort. We even developed our own

proprietary brand of travel drives, which we can always fit in your solution. FARGO Drives combines leading brand quality with maximum flexibility, because we develop these travel drives ourselves and have them produced by renowned suppliers of drive systems. Apart from Fargo Drives, we only use A-brand travel drives, including Rexroth, Bonfiglioli, Brevini Kayaba, Nachi and Hy-Dash.



THIS IS WHAT WE MEAN BY A COMPREHENSIVE SOLUTION

With us, you are provided a comprehensive solution that works and keeps on working. Sturdy, reliable and wear-resistant. Our production process forms the basis for this. We continuously perform quality controls and never stop developing products in collaboration with our steady partners. In this process, we structurally use feedback from the field. VTS Track Solutions is synonymous with reliability, from compact crawler track undercarriage to heavy-duty track solution. All of this in accordance with our ISO 9001 certification.

Comprehensive service

After delivering your crawler track undercarriage, we stay fully involved. At your request, we will assist you with the assembly and installation and remain available to you afterwards. If you need service or maintenance, we live up to our promise by always responding in a prompt and focused manner. That's what makes VTS an overall concept that includes all support needed.

Extensive own inventory, global availability

We make extensive use of standard parts and modules which we deliver from our own warehouse within one day. We have the largest supply in Europe and always deliver at competitive prices. Because of our exclusive

use of A-brand parts of renowned suppliers, the availability of parts is guaranteed on a global level as well. This is what we can guarantee you: the work can always go on.

Mobile service technicians

Do you need on-site repairs? Our mobile service technicians are always at your disposal!

We will never forget the importance of the undercarriage to your machines. What drives us, is to get your machines moving and keep them that way. Interested in finding out more? Don't hesitate to make the first move and contact us for an initial meeting. We look forward to hearing from you.



WE CONTINUOUSLY PERFORM QUALITY
CONTROLS AND CONTINUE TO DEVELOP
OUR PRODUCTS.

Track solutions for machinery.



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Track solutions for machinery.

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