



Suspensions and components for

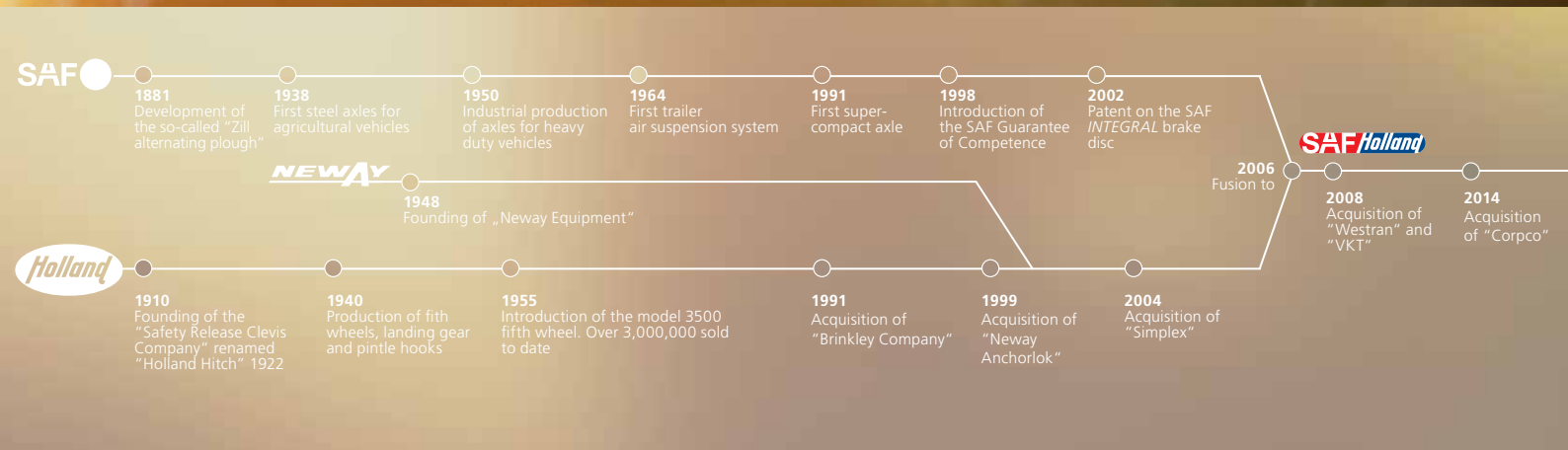
CURTAINSIDERS AND REFRIGERATED VEHICLES



ALWAYS IN MOTION – WORLDWIDE.

As established partner of the industry and fleet operators, we at SAF-HOLLAND, are among the largest suppliers to the commercial vehicle market in Europe and are represented on six continents with a total of 28 locations. The wide range of products for trailers, semi-trailers, trucks and buses stands for high-quality, reliable and customer-oriented solutions. Thereby, we adapt continuous product innovations to the appropriate market requirements, as owner of curtainsiders and refrigerated vehicles, oriented to the future. The specifics of your industry, such as high pressure of delivery times at reduced cost, need economic solutions that convince through efficiency in daily life.

We think further – always with the objective to support you in the best way for your transportation.



TRADITION AND INNOVATION IN ONE

The merger of SAF and HOLLAND in 2006 combined two decisive companies with each other: SAF with headquarters in Germany and HOLLAND in North America. In the last 100 years, both placed the focus of their product development on the commercial vehicle sector. With decisive innovations for the sector, such as the first air suspension system for trailers, the first super-compact axle or also a specially developed fifth wheel, SAF and HOLLAND each set standards in the commercial vehicle industry.

As an innovative company, SAF-HOLLAND profits today from the wealth of experience of both companies and, in the past years, has developed into a leading manufacturer of chassis-related systems and components for trucks, trailer and buses. With more than 3100 employees, SAF-HOLLAND promotes innovations on all continents – always with a view towards the future and:

inspired by PASSION



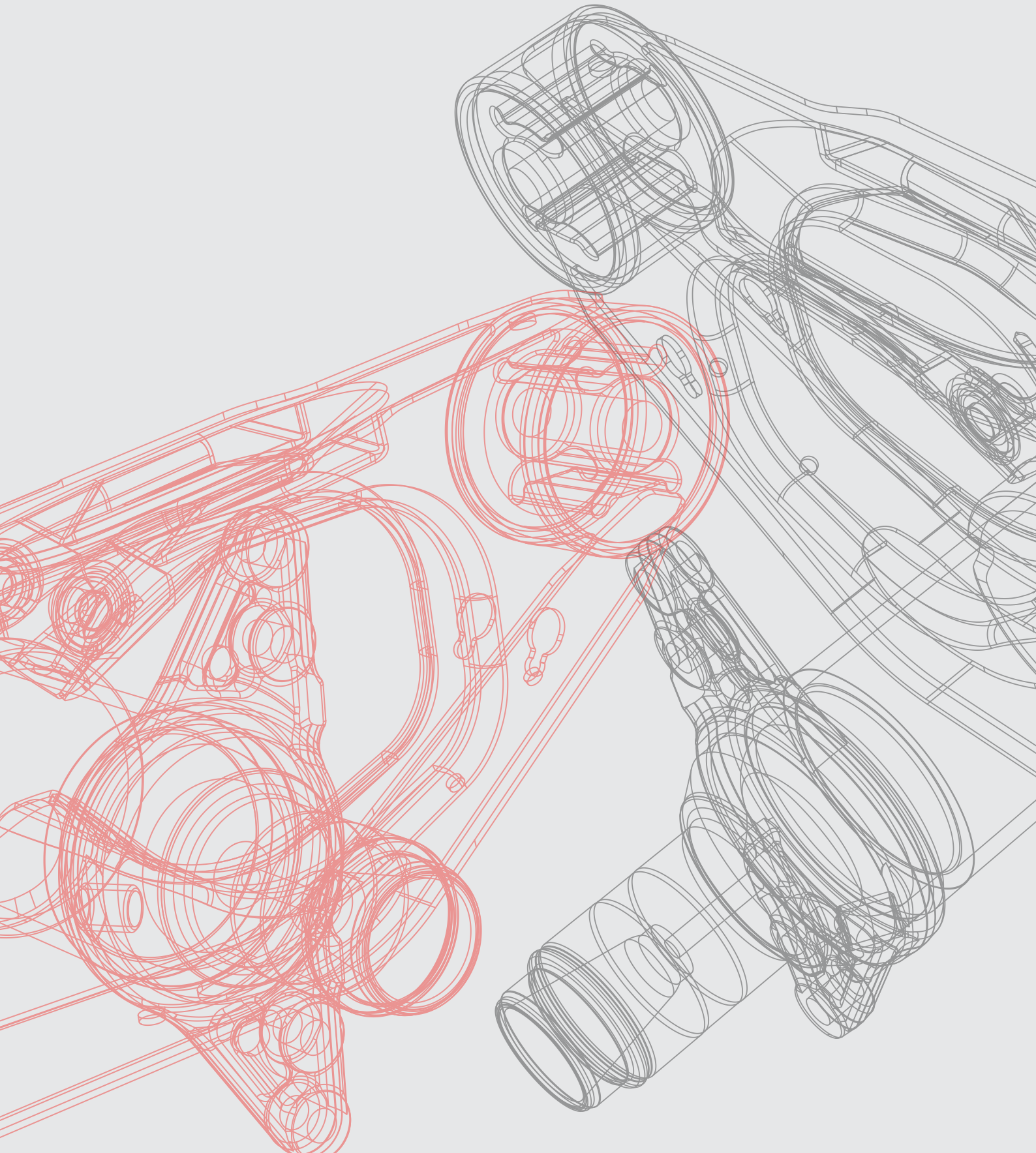
A man in a blue baseball cap and denim jacket is smiling and holding a large cardboard clipboard. He is standing in front of a semi-trailer. The background is a clear blue sky.

IT IS NOT ENOUGH JUST TO BE GOOD

” For me innovative transport solutions are deciding factor – especially when it concerns the topics of weight and durability. Thereby, I rely on SAF-HOLLAND as a constant partner who advises me and whom I trust. Precisely for this reason SAF-HOLLAND is our established partner for many years – with success and, more important, with perspective.

“

*WHERE VISIONS
ARE REALITY*



*TOP PRODUCTS FOR YOUR
CURTAINSIDER OR REFRIGERATED VEHICLE*



1



Our **fifth wheels** are internationally known for their reliability. Thereby, the **SK-S 36.20 series**, made from spheroidal graphite, stands for quality and high safety standards.

2

Our **kingpins** are safety-relevant trailer components that must satisfy the highest demands in terms of functional reliability: Thus, using the **kingpin SAF 50S15**, a trouble-free operating sequence is ensured.



3



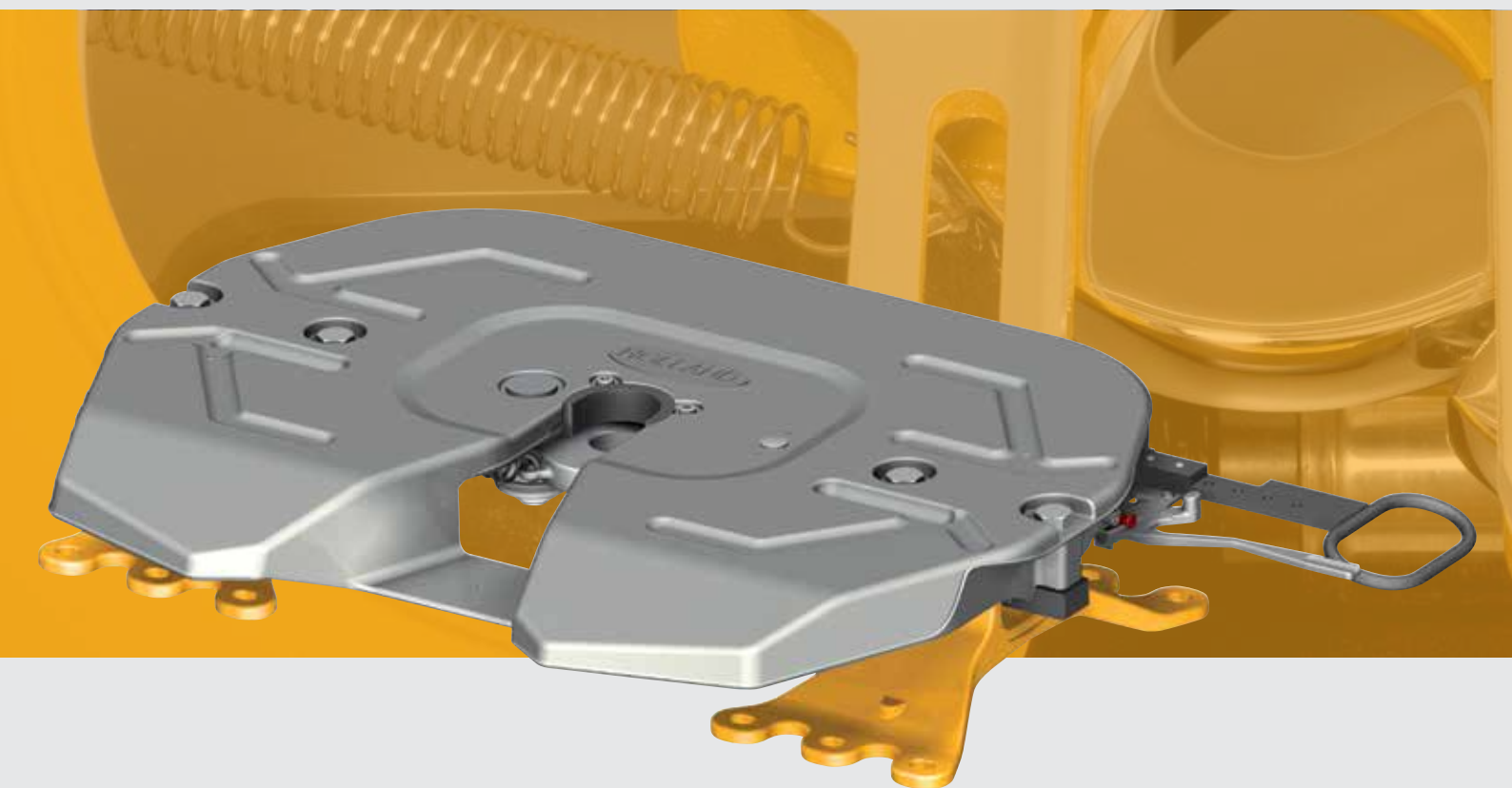
Our landing gear **TITAN** is easy to operate and works safely and reliably in the support load range of 15,000 kg to 55,000 kg.

4

The **axles and suspension systems** with drum and disc brakes, have been specially developed for high requirements. Thereby, the **SAF INTRADISC plus INTEGRAL** is particularly efficient and provides the greatest possible economy.



FIFTH WHEEL SK-S 36.20 SERIES LESS WEIGHT AND ROBUST



The particularly user-friendly, one-hand operation provides the maximum of safety and sets a new standard in the 20t class.

With the **SK-S 36.20** you drive on the state-of-the-art technology. Particularly light and simultaneously robust, the 20-t fifth wheel with the **easy one-hand operation** and automatic locking protection, increases the safety standard.

Comprising of a **weight-optimised spheroidal graphite cast** from Georg Fischer, at an installation height of 150 mm, the fifth wheel weighs only 116 kg and, thus, it is significantly lighter than comparable fifth wheels in the 20t class. During the development one of the objectives was to reduce the number of components – consequently the number of possible spare parts.

SAF KINGPIN 50S15

QUALITY AND DURABILITY IN ONE



Precise manufacturing with highest demand on quality: The rigorous checks at SAF-HOLLAND set new performance standards for the production of kingpins.

The **SAF kingpin 50S15** ensures the best quality that can be attained by rigorous checking during manufacture. Thereby, as a perfect connection between truck and trailer, the kingpin must, above all, be **absolutely reliable**.

Therefore, the forged connecting piece is subjected to the most stringent checks during machining and strict quality controlled manufacturing process.

Each production step is precisely checked – also a detailed examination during the heat treatment is included as an important and for SAF-HOLLAND – routine check. This ensures uniformity of the kingpins, as well as their surface structure.

SAF TITAN PREMIUM LANDING GEAR DURABLE AND EXTREMELY RESILIENT



Absolutely compensated: The specially developed compensating foot and patented floating mounted spindle nut withstand extreme thrust and transverse forces.

Whether during coupling and uncoupling, when driving onto the trailer with a forklift truck, when side loading and unloading, or in the event of pressure loss of the air-suspension after uncoupling – the fields of application of the **SAF TITAN** are diverse. The specially designed landing gear is ideally suited to compensate for large thrust and transverse forces.

The **compensating foot** of the SAF TITAN

absorbs the thrust forces and can move forwards and rearwards up to 125 mm. The **SAF-HOLLAND patented floating nut** – not only compensates thrust forces, but also transverse forces allowing for a movement of 55 mm without deformation of the elevating screw.

This particularly reinforced protection of the elevating screw makes the SAF TITAN the proven premium landing gear.

SAF INTRADISC plus INTEGRAL WITH PATENTED INTEGRAL TECHNOLOGY



Less wear with more kilometres: The 9t air suspension system with disc brake for 19.5 inch and 22.5 inch, is up to the challenges of the commercial vehicle sector.

With the **SAF INTRADISC plus INTEGRAL**, SAF-HOLLAND developed a particularly maintenance-free axle. The INTRA suspension with low weight has already proven itself a million times – nationally and internationally.

Also the special **INTEGRAL technology** now provides significantly more: For the first time worldwide in the trailer sector, SAF-HOLLAND

uses a two-part disc brake rotor that is manufactured in compound casting from different materials. Disc and adapter expand radially during the braking process and, whilst cooling down, again retract radially.

This **patented design principle** protects the material and significantly increases the service life of the pads and disc.

REAL SERVICE FOR YOUR CURTAINSIDER OR REFRIGERATED VEHICLE

SAF-HOLLAND relies on comprehensive service packages and planning safety from the first kilometer, as well as providing personal supervision, reassuring that you, as our valuable Customer, save your time and money. Irrespective of where you are, using our worldwide service network a competent contact person is available twenty-four hours a day. Our Service team offers good advice and quick, uncomplicated assistance – so that your trailer always remains in motion.

Select the suitable package and be sure:
You can rely on SAF-HOLLAND.





YOUR PRODUCT OVERVIEW:



CURTAINSIDERS AND REFRIGERATED VEHICLES

SUSPENSION

LANDING GEAR

FIFTH WHEEL

KINGPIN

STANDARD APPLICATION

SAF INTRADISC
plus INTEGRAL

SAF TITAN

SK-S 36.20

50S15

HEAVY DUTY APPLICATION

SAF INTRA CD

SAF TITAN PRO

SK-S 36.20

50S18

RAIL LOADING APPLICATION

SAF INTRADISC
plus INTEGRAL with
SAF UP bellows

SAF TITAN

FW3510-TR

50S15

MEGA-TRAILER APPLICATION

SAF INTRA MEGA

SAF TITAN

SK-S 36.20 H

50S18

FURTHER ALTERNATIVES

AXLES

SAF INTRADISC
Airvent

SAF INTRADRUM

SAF INTRA
Steering Axle

SAF MODUL

LANDING GEAR

SAF TITAN Pro

SAF ATLAS

FIFTH WHEEL

FW 3214 W

FW AL-E

SK-S 36.20 NoLube

FW 3510

For more detailed information, refer to our product brochures.
For these, please contact your SAF-HOLLAND field representative
or write an e-mail to fleetconnect@safholland.de



WE THINK AHEAD – not because we must, but because it is important to us. In our company-wide initiative, we show what we can attain together. Thereby, the topics **environment, people and energy** are the focal points. Also during production we observe sustainability and only work using selected printers that can ensure conscious interaction. Also when selecting the paper for our brochures, we only use materials made from FSC-certified forests or recycling material from controlled sources. For more about our initiative, refer to **www.we-think-ahead.org**



TRAILER AXLES AND
SUSPENSION SYSTEMS



COUPLING AND LIFTING
TECHNOLOGY



SUSPENSIONS FOR
TRUCKS AND BUSES

safholland.com

SAF-HOLLAND GmbH

Hauptstraße 26 · 63856 Bessenbach · Germany

Tel +49 6095 301-0 · info@safholland.de