



creating

PEFRA





Imagefilm PEFRA

Made in Germany
as a fundamental
principle

creating
mobility



Warenannahme SZMF
nach 50 m rechts



PEFRA offers reliable in-house transportation of goods at the highest level - and nothing more. But certainly nothing less. Company success depends on a wide range of factors. Dependency on the flow of materials and flexibility of production is essential with production operations. PEFRA products and solutions are used in all key parts of successful companies and have been providing their essential service discreetly and without complaint for decades. Every product is defined by the combination of the highest quality of material and production, product performance designed around safety and durability, and long-term reliable replacement-part and servicing strategies.



With the invention of the E-Boy in the 50s, PEFRA met the urgent requirement of the economy for more flexible mobility. The constant development and integration of reliable innovations are cornerstones of PEFRA's fundamental ideas. We are always a few steps ahead of our customers' expectations in terms of safety and reliability.



Round-the-clock reliability

With 37 million passengers, Munich airport is one of Europe's major air travel hubs. PEFRA industrial trucks provide reliable logistics across the entire site. From air catering to the luggage carousel. In doing so, extreme weather and physical load limits should not present a hurdle for logistical interaction.



Precision²

'CERN', the European Organization for Nuclear Research, is synonymous with leading global fundamental research, such as the structure of material. The PEFRA towing tractors specially designed for CERN's requirements make research easier and safer there. It is not size that counts here, but flexibility. The towing tractors are perfectly suited for the working surroundings with overall dimensions of 1.200 x 612mm.



1.5 t on 10 cm²

Vehicle production at Renault means precision, speed and coordination. PEFRA's heavy-duty transport solutions make the flexible replacement/modification of die machines possible and computable. Always the right resources at the right place and time - even with huge units up to 60 tonnes.





Performance and perseverance as a design principle.

PEFRA is a leading manufacturer of industrial vehicles with a comprehensive programme consisting of: Electric towing tractors and platform trucks, industrial trailers, self-propelled platform trucks, rail and undercarriages.



Why have a product finder?

The route to your model.

Our vehicles are not loved - they are used.

Commercial investments are not emotional decisions. Your company's requirements decide the choice of products and transport solution. Decisions in this area are long term and contribute significantly to the success of your company. We have put together the most important questions as a guide for procuring an in-house transport system.

Electric towing tractors - Pages 8-13, Electric platform trucks - Pages 14-17, Industrial trailers - Pages 18-23, Platform trucks/specialist vehicles - Pages 26-38, Undercarriage - Pages 39-40

Take the time to base your decision to invest on a secure foundation. Or even better: Speak to us for advice.

Trust in our decades of experience and knowledge from hundreds of projects.

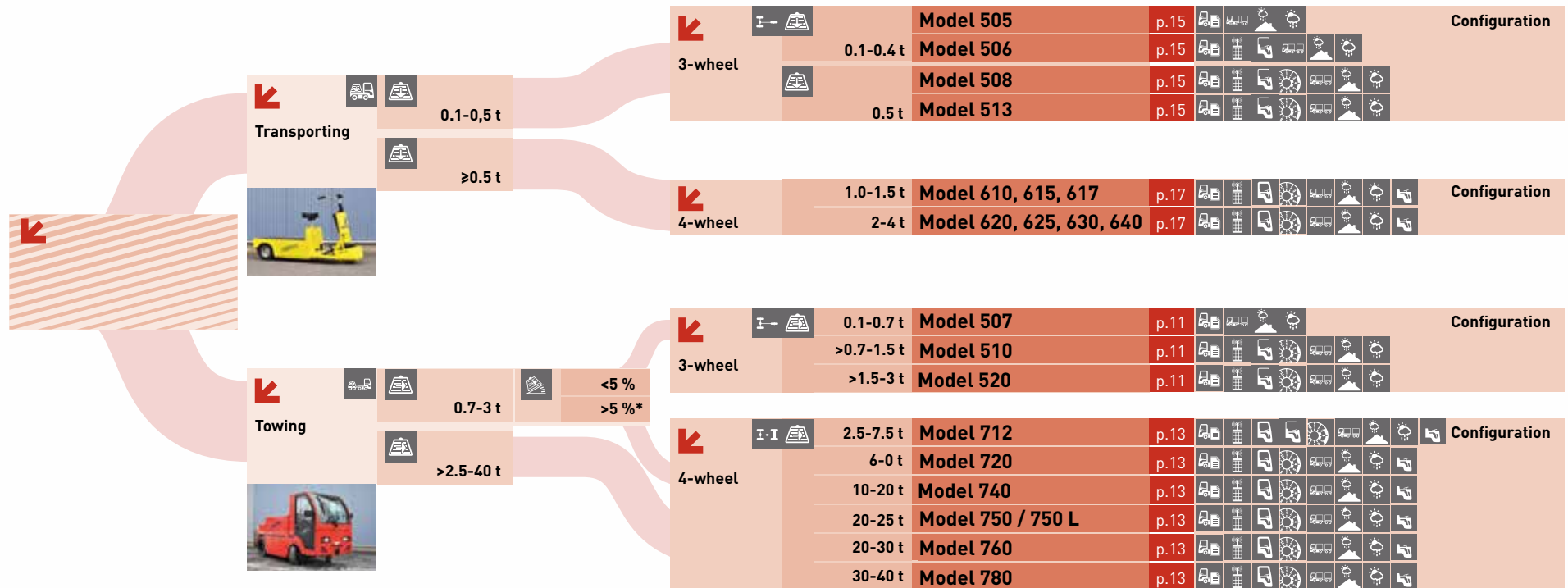


PEFRA AG: The German acronym used for our company name shows our focus.

P Production **E** Electric vehicle **F** Undercarriages **R** Wheel sets **A** Trailers



Electric towing tractors
Electric platform vehicles.



The symbols are described on page 43

All transport requirements are different. PEFRA engineers recognise the specific features of your transport environment and develop specialist bespoke solutions for your logistics to fit in with your framework conditions, and not vice versa.

PEFRA vehicles comply with the requirements of domestic and international transport provisions. In each case our specialists ensure that your transport solutions meet all requirements demanded. Verifiable and reliable.

PEFRA engineers calculate the required strength of the drive and ensure that your goods transport gets to where you want it. Our experience is your security - with snow and rain and not just good weather.



Model 507: Use in confined spaces - in the lift with trailers? No problem!

Details: Document holder - tidy and well thought out



Details: Small parts basket - for a tidy workplace

Model 520: Remote radio control for accurate positioning of the vehicle - even when dismantled





Model 507*

Model 510*

Model 520*

*Deviations to series configuration

Overview **3-wheel electric towing tractors**

Model	Towing capacity	Tonnage	Load area	Speed	Climbing capacity**	Drive power	Range
Model 507	up to 0.7 t	0.03 t	277 x 600 mm	up to 12 km/h	up to 7 %	1.2 kW, AC	up to 40 km
Model 510	up to 1.5 t	0.03 t	500 x 700 mm	up to 14 km/h	up to 8 %	1.5 kW, AC	up to 25 km
Model 520	up to 3.0 t	0.03 t	410 x 700 mm	up to 10 km/h	up to %	1.5 kW, AC	up to 30 km

**5 minutes value with towing capacity
You will find technical datasheets and further information at www.pefra.net

There are many options for product versions (performance, setups, special configurations). Every transport requirement demands particular solutions. PEFRA products always solve problems - contact our information line on +49 8709 9216-0.



Details: Bright internal lighting and sunroof in accordance with German Road >traffic Regulations
Model 712 rolling pallets: Pallet capture - without dismounting, yet precise and quick



Model 712: Light B, automatic mirror, trailer coupling, light super-elastic tyres



Model 750: Strong when towing - even stronger when braking

Model 720: Quicker battery changing via lateral opening in the frame





Model 712*

Model 720*

Model 750*

Model 740, 760, 780*

*Deviations to series configuration

Overview **4-wheel electric towing tractors**

Model	Towing capacity	Tonnage	Load area	Speed	Climbing capacity**	Drive power
Model 712	up to 6 t	0.1 t	290 x 690 mm	up to 13 km/h	up to 3.5 %	6.0 kW, AC
Model 720	up to 10.0 t	0.1 t	640 x 975 mm	up to 16 km/h	up to 6 %	2 x 5.0 kW, AC
Model 740	up to 20.0 t	0.1 t	1165 x 1220 mm	up to 23 km/h	up to 4 %	28.0 kW, AC
Model 750	up to 25.0 t	0.1 t	1280 x 1275 mm	up to 13 km/h	up to 6 %	2 x 11.0 kW, AC
Model 760	up to 30.0 t	0.1 t	1165 x 1220 mm	up to 16 km/h	up to 5 %	28.0 kW, AC
Model 780	up to 40.0 t	0.1 t	1165 x 1220 mm	up to 16 km/h	up to 3.5 %	28.0 kW, AC

**5 minutes value with towing capacity
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Model 505: With tipping cage and dumping function

Model 506: The mobile workshop - with tool box



Model 513: Stacked high

Model 508: Folding steel side





Model 505*

Model 506*

Model 508*

Model 513*
Loading area = europalett

*Deviations to series configuration

Overview **Electric platform truck (Elektro-Boy) 3-wheeled**

Model	Tonnage	Towing capacity	Load area	Speed	Climbing capacity**	Drive power
Model 505	0.1 t	0.1 t	640 x 595 mm	up to 12 km/h	up to 12 %	0.75 kW, DC
Model 506	0.4 t	0.6 t	1045 x 595 mm	up to 14 km/h	up to 14 %	1.20 kW, AC
Model 508	0.5 t	0.8 t	1045 x 595 mm	up to 14 km/h	up to 17 %	1.40 kW, AC
Model 513	0.5 t	0.8 t	1350 x 850 mm	up to 14 km/h	up to 14 %	1.50 kW, AC

**5 minutes value with tonnage

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Model 610: Cab structure for universal use



Model 615: Covered structure for transporting vulnerable goods

Model 625: Hygiene services in confined spaces - specialist model with suction unit



Model 640: Crane structure - mobile power at all parts of the site





Model 610*

Model 615 (617, 620, 625, 630 similar)*

Model 640*

*Deviations to series configuration

Overview **4-wheel electric platform trucks**

Model	Tonnage	Towing capacity***	Load area	Speed	Climbing capacity**	Drive power
Model 610	1.0 t	up to 3 t	1865 x 1000 mm	up to 17 km/h	up to 10 %	6.0 kW, AC
Model 615	1.5 t	up to 3.5 t	2295 x 1320 mm	up to 24 km/h	up to 9 %	7.5 kW, AC
Model 617	1.5 t	up to 4.5 t	2295 x 1320 mm	up to 24 km/h	up to 15 %	10 kW, AC
Model 620	2.0 t	up to 5.0 t	2295 x 1320 mm	up to 24 km/h	up to 11 %	2 x 4.5 kW, AC
Model 625	2.5 t	up to 6.0 t	2295 x 1320 mm	up to 24 km/h	up to 14 %	2 x 6.0 kW, AC
Model 630	3.0 t	up to 8.0 t	2295 x 1320 mm	up to 24 km/h	up to 17 %	2 x 7.5 kW, AC
Model 640	4.0 t (up to 8.0 t)****	up to 10 t	2500 x 1320 mm	up to 22 km/h	up to 10 %	20.0 kW, AC

**5 minutes value with tonnage

***braked

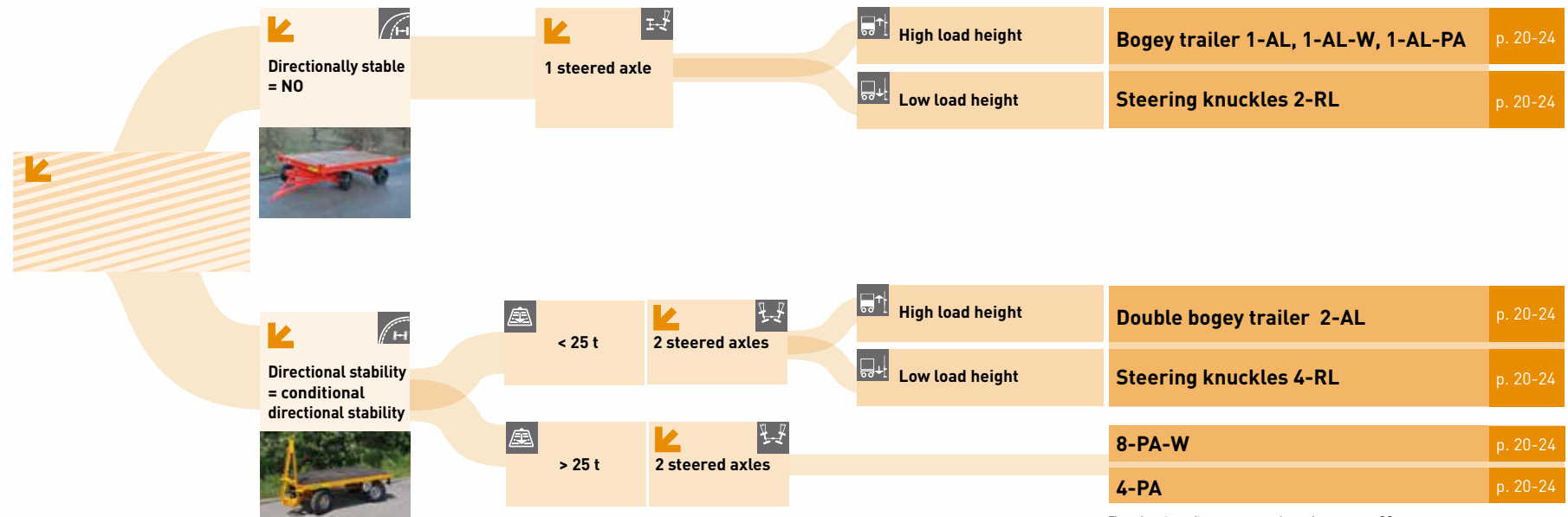
****can be loaded up to 8.0 t

You will find technical datasheets and further information at www.pefra.net

There are many options for product versions (performance, setups, special configurations). All transport requirements require particular solutions. PEFRA products always solve problems - contact our information line on +49 8709 9216-0.



Industrial trailers.

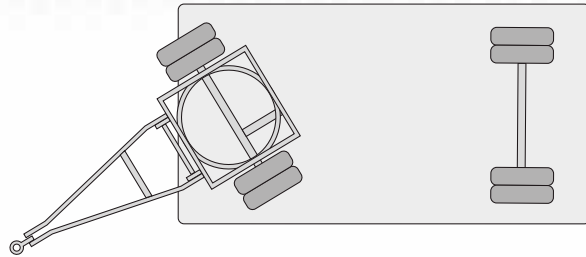


The steering diagrams are found on page 20

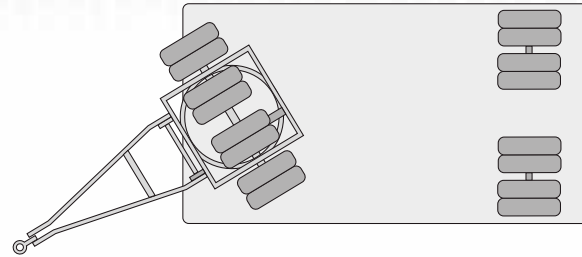
Trailer fleets provide logistical flexibility. The expected benefit is only created by combining technology and function. Your individual solution is based on our experience with projects. Ask us for advice.

The structure and design of PEFRA industrial trailers are extremely robust and a reliable tool. The interaction of the design details in connection with production quality create added value.

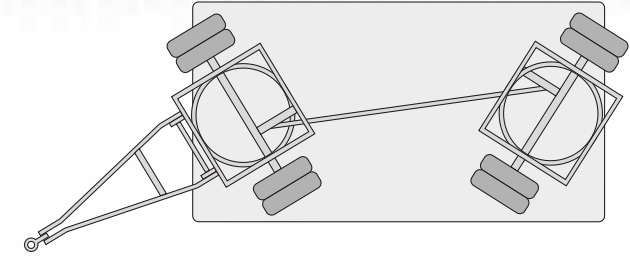
PEFRA has many sized versions of industrial trailers. In many cases the bespoke design of the truck bed is worth it for a specific purpose - you benefit from production and finishing under one roof. Made in Germany. Made by PEFRA.



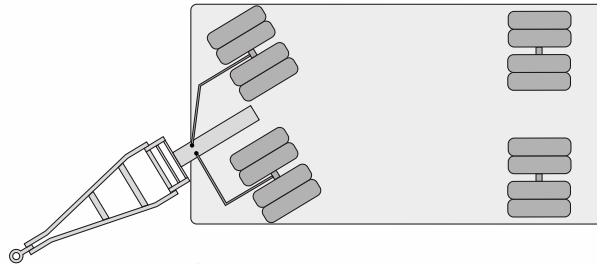
1-AL



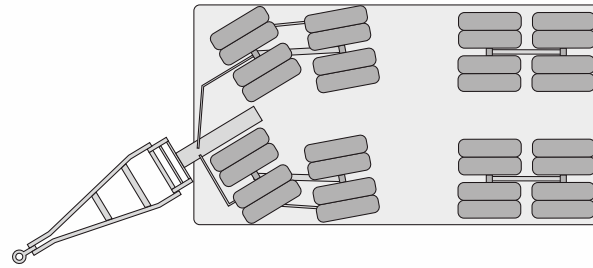
1-AL-PA



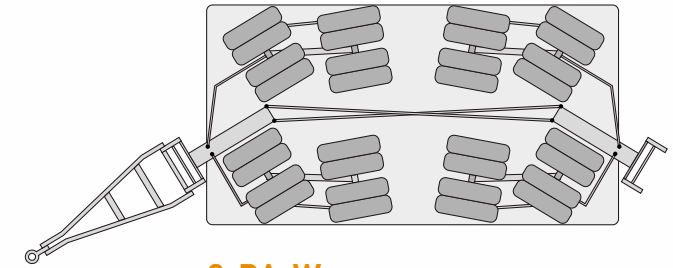
2-AL



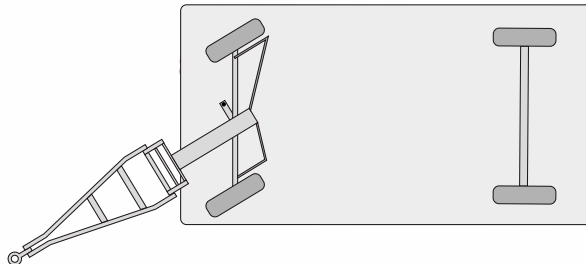
2-PA



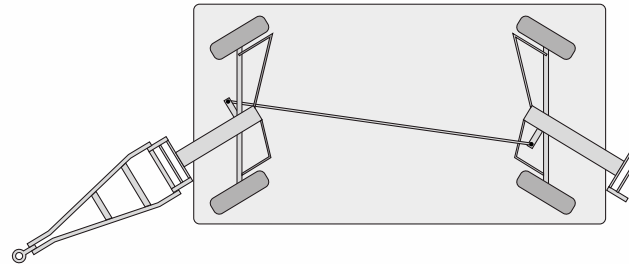
4-PA-W



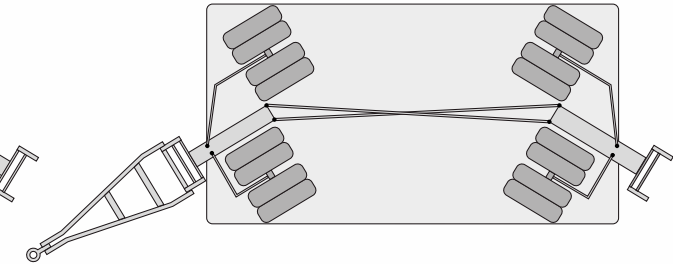
8-PA-W



2-RL



4-RL



4-PA

Abbreviation	Model	Special feature
AL	Axle steering	Manoeuvrability
PA	Floating axle	more even wheel load
RL	Wheel steering	tilting
W	Longitudinal rocking	even wheel load



Model 3420



Model 3060



Model 4200



Model 4150



Model 4000



Model 4300

Overview **Industrial trailers**

Model	Tonnage	Tyres	Steering systems
Model 3420	4 t at 6 km/h	Air - solid rubber	1-AL
Model 3060	1 t at 6 km/h	Elastic - solid rubber	1-AL, 2-AL
Model 4200	12 t at 6 km/h	Air, SE elastic solid rubber	4-PA
Model 4150	12 t at 6 km/h	Elastic - solid rubber	2-RL, 4-RL
Model 4000	2.3 t at 15 km/h	Air, SE elastic solid rubber	2-RL, 4-RL
Model 4300	30 t at 6 km/h	Elastic - solid rubber, Vulkollan	8-PA-W

You will find technical datasheets and further information at www.pefra.net

There are many options for product versions (performance, setups, special configurations). All transport requirements require particular solutions. PEFRA products always solve problems - contact our information line on +49 8709 9216-0.



Trailers with rotatable retaining arm for transporting reels
Paper reel trailer



Nothing is too long to be transported - the long item trailer
Transport - secure and bespoke





Platform with rotatable seat for the heaviest of chassis
Trailer for transporting paper reels



Transport of long material with stainless-steel draining trough
Tipping trailer for transporting cardboard



Folk music and crime thrillers.

‘There is no business like show business’ – Film and series productions have laws of their own. Creativity, spontaneity, hustle & bustle. To ensure the most important accessories (sets, scenery) being in place on time, those involved with broadcasting companies rely on the performance of PEFRA industrial trucks.



110 years of furniture.

It is a long way from the wood to the finished bedroom. The PEFRA platform truck with powered roller tracks takes up to 18 t and effortlessly distributes raw materials or completed pieces of furniture at a maximum speed of 10 km/h - high tech included: Track guidance by means of induction. Including PEFRA safety system: EMERGENCY SHUT-OFF and EMERGENCY STOP buttons on all corners as well as two laser scanners on the front. Safety and reliability with flexible furniture production at Rauch Möbelwerke GmbH.



Stay clean!

A modern industrial laundry adapts flexibly to the widest range of customer wishes. Certified processes ensure quality and reliability. Urzinger Textile Management relies on PEFRA industrial trucks to transport over 100 t of laundry every day.



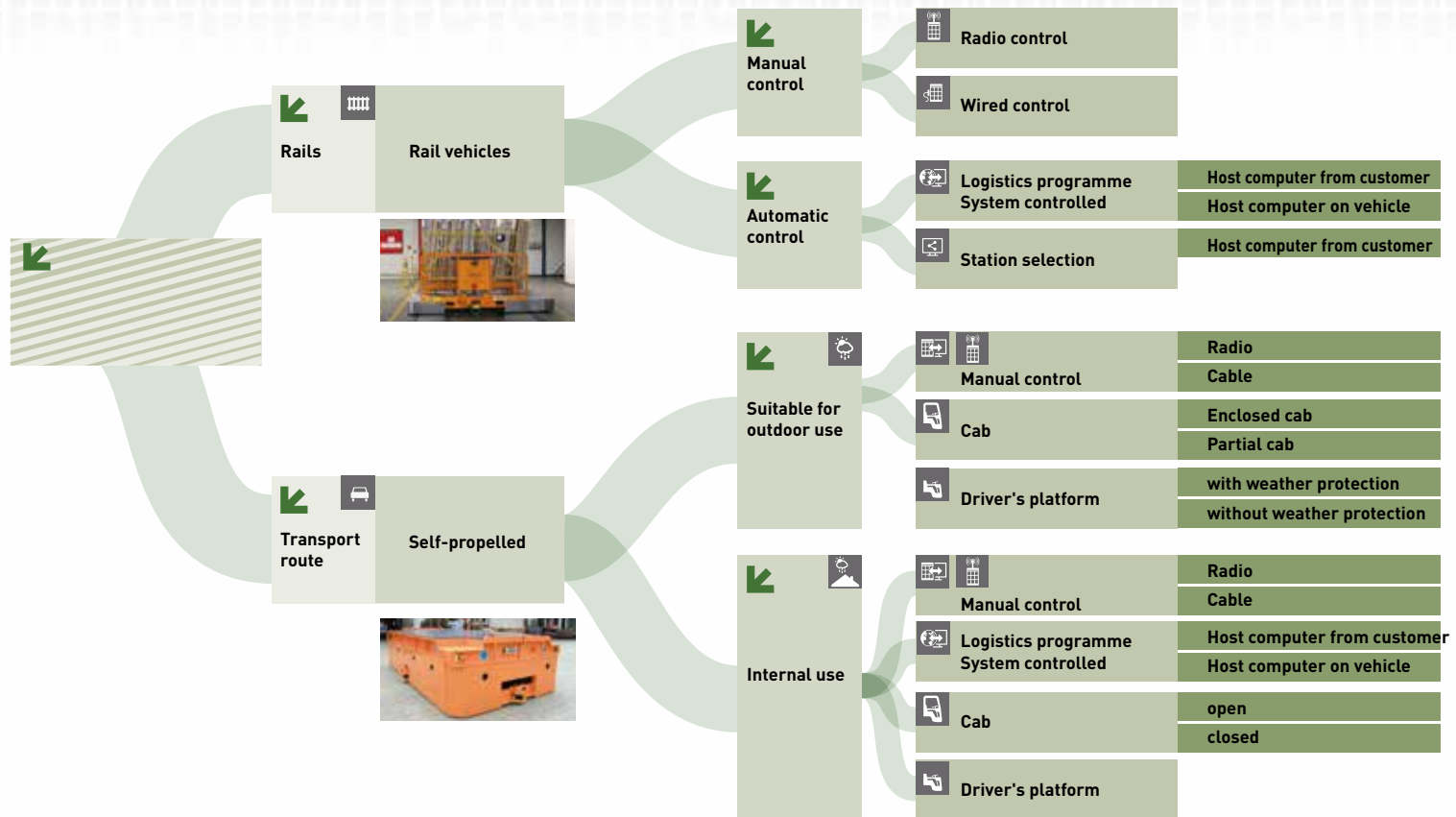


Made by PEFRA as an industrial standard.

creating mobility



Self-propelled
platform trucks.



The symbols are described on page 43

PEFRA's know-how with self-propelled/platform trucks is second to none. We will be glad to assist you with planning and advise you about the many possibilities for using this forward-looking technology.

The more complex the technology, the more important it is to use solutions that meet the requirements of performance and integration. Our different industry solutions highlight our products' wide range of flexibility and practical relevance. Request examples from industries.

Our vehicles are created exclusively in Germany and are planned and manufactured at our headquarters. Our in-house quality standards exceed industry standards and as such are ideally suited for your logistical requirements. Certification is a basic requirement for us.



Made by PEFRA as an
OEM solution.

creating mobility

Overview Self-propelled platform trucks



Designation: EFW
Payload/speed.: 57 t/4 km/h



Designation: ESW
Payload/speed.: 56 t/4 km/h



Designation: EFW
Payload/speed.: 60 t/12 km/h
Propulsion: 40KW 80V



Designation: FTS
Payload/speed.: 56 t/2 km/h
Propulsion: 20KW 80V

Overview Self-propelled/platform truck

Model	Load capacity	Control	Platform size
Electric walk-along truck (EGW)	up to 70 t	Cable/radio	3000 x 8500 mm
Electric driven vehicle (EFW)	up to 65 t	Cable/radio	3400 x 12000 mm
Driverless transport system (FTS)	up to 63 t	Cable/radio automatic operation	2500 x 5000 mm
Electric rail truck		Cable/radio automatic operation	

You will find technical datasheets and further information at www.pefra.net

Platform sizes can of course be varied according to your specifications - try out the control options with our specialists - contact our information line on +49 8709 9216-30.



EFW: 15 t, furniture parts transport

EGW: 52 t, press die transport



EGW: 20 t, steel pipe transport (up to 18m)



EGW: 35 t, die transport

EGW: 40 t, die transport





EGW: 40 t, die transport

FTS: 56 t, press die transport



EGW: 20 t, die transport



ESW: 20 t, cast steel transport



EFW: 56 t, press die transport



EGW: 8 t, crankshaft transport
Use of roll-off containers for recyclable material



EGW: 2 t, transport of client-specific boards (mould carriers)



EFW: 57 t, press die transport
EFW: 15 t, furniture parts transport





EFW: 100 t, press die transport





EGW: 42 t with swap bodies, transport of forged billets





EGW: 15 t, transport of gear rings





Semi-trailer trucks: 28 t, the logistics professional





Model 40868600 EGW: 35 t, press die transport



Model 40706200 EFW: 45 t, die transport





Model 40784800 EGW: 55 t, forming die transport



Made by PEFRA as a specialist solution.



heavy-duty wheel set: 2.75 t

heavy-duty wheel set: 20 t



Undercarriage: 1 t



Heavy-duty undercarriage: 3 t

Heavy-duty undercarriage: 2 t





Heavy-duty undercarriage: 7 t, rear axle with single-pivot steering and steering axles



Heavy-duty undercarriage: 7 t, with single-pivot steering
Heavy-duty undercarriage



We'll make it brief...

are you still waiting or already leasing?

✓ TEST

✓ LEASE

✓ SECOND-HAND
EQUIPMENT



Found today, leased tomorrow

- ✓ Quick availability
- ✓ Vehicles used in perfect technical condition
- ✓ Technical modification possible for specialist uses on request
- ✓ Individual leasing quote







































PEFRA[®]
Elektrofahrzeuge
 Anhänger

 www.pefra.net



Key to PEFRA symbols as an overview

	Customisation possible		Load capacity		Rail vehicles		Low loading height
	Miscellaneous		Accessories/ attachments		Self-propelled		High overall height
	Electric		Chassis, loading and loading platform		Radio control		Steered axle: 1
	Electronic unit and battery		4-wheel		Wired control		Steered axle: 2
	Tyres		Cab		Manual control		Directionally stable
	Basic dimensions		Wheels under-carriage		Station selection		Non-directionally stable
	Motor		3-wheel		System controlled		
	Brakes		Indoor		Driving position		
	German road traffic regulations		Outdoor				
	Weights		Towed load				
			Climbing capacity				

All details without guarantee



mobility

creating

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