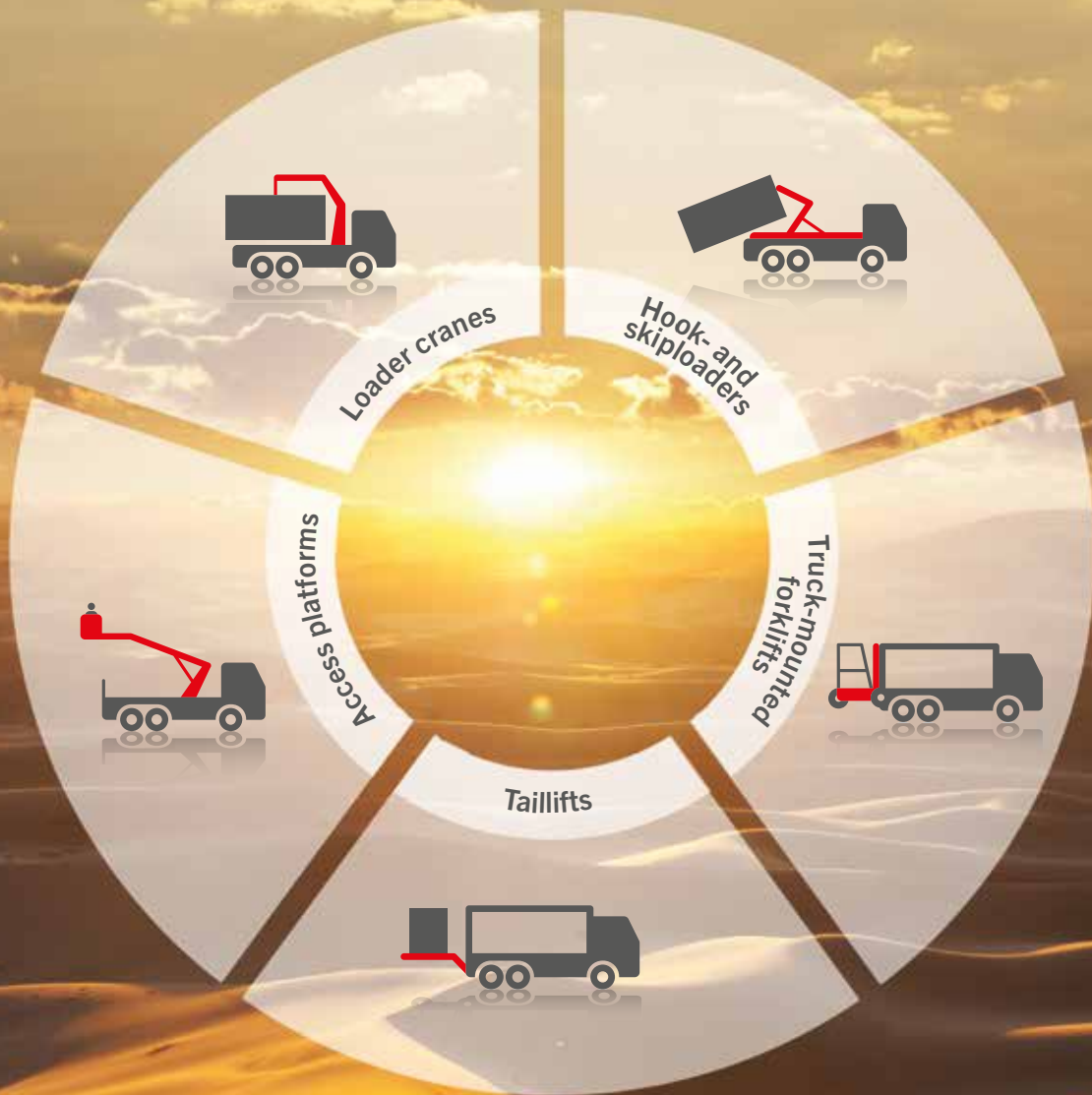


# PALFINGER SOLUTIONS WORLDWIDE



# PALFINGER MADE TO LAST



## MILESTONES



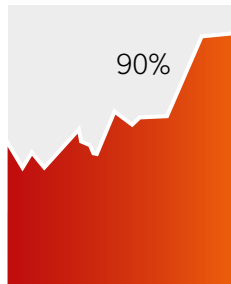
**1932**

Richard Palfinger founded a repair and mechanic's workshop.



**1964**

Specialisation in hydraulic truck-mounted loading cranes.



**1989**

For the first time export rate above 90%, presence in more than 70 countries.



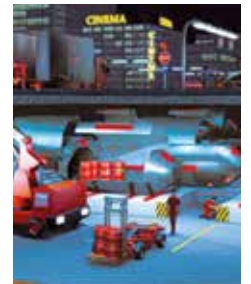
**1999**

IPO in June 1999.



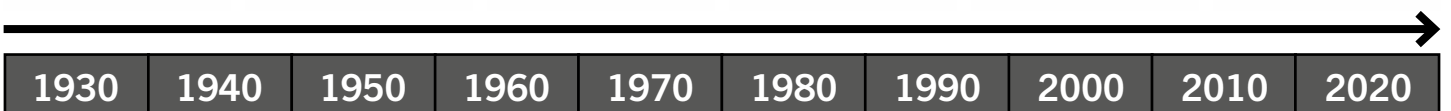
**1992–2010**

Continuous diversification and internationalisation with products at the interfaces of the transport chain.



**FUTURE**

PALFINGER will further strengthen its position as a technology leader. With innovative products and developments that set benchmarks in the areas of electronics, hydraulics, raw material, quality, and service.



## POSITION IN THE WORLD MARKET

- Technology leader and number one in the global market for loader cranes, container handling systems, and as well as timber and recycling cranes
- A strong company group consisting of 50 companies worldwide
- Founded in 1932
- A public listed company (65% of PALFINGER AG is held by the Palfinger family and the rest is free float)

## GLOBAL NETWORK

- Over 4,500 service bases worldwide in more than 130 countries on all continents
- Over 200 independent dealers
- 28 PALFINGER sales subsidiaries



## LIFETIME EXCELLENCE



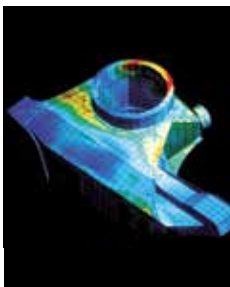
### ANALYSIS WORKSHOPS

Before a new series of cranes is released to the market, the engineering team and representatives of all relevant departments at PALFINGER review its design at FMECA analysis workshops.



### VIBRATION TEST

To evaluate the mechanical impacts on electronics, PALFINGER subjects critical components to life-cycle vibration tests.



### FINITE ELEMENTS TECHNOLOGY

High-tech manufacturing. For years now, all the load-bearing parts have been computer designed, applying finite elements technology to ensure an optimised weight-saving design.



### CLIMATIC EXPOSURE TEST CABINET

Critical components (control spools and electronics) are tested in a climatic exposure test cabinet which simulates rigorous environmental conditions.



### STRESS TEST

PALFINGER subjects its components to extremely rigorous stresses in modern hydro-pulse testing facilities. These tests pinpoint areas of potential failure before manufacturing.



### FIELD TESTING

Before a new system gets approved, prototypes undergo extensive field testing and operation.

# LOADER CRANES

PALFINGER loader cranes are designed to work in rough conditions for offroad applications on heavy-duty trucks. They are perfectly adapted to your working environments.

PALFINGER's loader cranes have an ideal ratio between deadweight and lifting power and at the same time are cost effective and highly user friendly.



GENERAL CARGO



CONSTRUCTION



CAR RECOVERY



CONSTRUCTION-MATERIAL HANDLING





POLE MANIPULATOR



GRAB APPLICATIONS



GENERAL CARGO / CONTAINER / HEAVY DUTY



BARRIER GRAB APPLICATIONS



BRICK HANDLING



AUGER APPLICATIONS



# LOADER CRANE HIGHLIGHTS



**Paltronic  
50**  
controlled

**KTL**  
protected

**RRC**  
Radio Remote Control  
operated

**DPS plus**  
Dual Power System  
activated

**AOS**  
Active Oscillation Suppression  
inside

**HPSC**  
High Performance Stability Control  
monitored



**RADIO REMOTE CONTROL**  
SAFETY AND COMFORT

PALFINGER radio remote controls are equipped with linear lever or cross lever and provide the greatest possible comfort for the operator. All EH models with a display inform the crane operator about the different operating conditions.



**ROPE WINCH**  
THE PERFECT COMPLEMENT

To extend the potential range of applications, a rope winch is available as an option. The winch is available from 0.8 t up to 4.5 t. If required, it can be fitted with an extension stop and limit switch.



**HOSE EQUIPMENT FOR ATTACHMENTS**  
VERSATILE AND USER FRIENDLY

The hose equipment offers an easy means of connecting auxiliary equipment. The hose equipment is guided in hose trays for protection.





**INTERLOCK SYSTEM**  
SAFE CRANE OPERATION

PALFINGER cranes are equipped with an innovative outrigger safety system for manual stabilizer supports. This even prevents the outrigger from extending if a locking device fails.



**KTL – CATHODIC DIP PAINTING**  
FOR RETAINING HIGH VALUE

The UV-resistant coating guarantees long-term surface protection. Perfect appearance during the entire lifetime for maximum resale value.



**CONTROL CONSOLE**  
ALL INFORMATION AT A GLANCE

An hour indicator counts and displays the operating hours. Ergonomic control levers provide increased safety and comfort.



**HYDRAULIC OVERLOAD PROTECTION**  
SAFE CRANE OPERATION

When the load limits are reached, the optional overload protection function stops all movements that could further increase the lifting moment.



**INTERNAL OIL FEEDS**  
MAXIMUM PROTECTION THANKS TO COMPACT DESIGN

The internal oil ducts enable a compact extension boom system design and ensure maximum protection against damage.



**TOP SEAT**  
FAST OPERATIONS WITH MAXIMUM OVERVIEW

The top seat is available in 2 control versions:

- 2-lever pilot control
- linear lever control

Both versions offer the highest level of operating comfort.

# PALFINGER EQUIPMENT



BRICK STACK GRAB



BULK MATERIAL GRAB



WORKMAN BASKET



LOADER CRANES AS A MULTI-PURPOSE TOOL



POLYP GRAB



CRANE FORK



ROTATOR





# TRUCK-MOUNTED FORKLIFT

PALFINGER truck-mounted forklifts offer maximum reliability. High-quality products and excellent service – all taken care of by our highly responsible team. Competent

solutions to meet your daily requirements – for the entire service life of your forklift.

- Easy and time-saving maintenance
- Maximum manoeuvrability and long service life
- Safety and comfort
- Best-possible visibility
- Fast and safe
- Easy loading and unloading from one side



CONSTRUCTION



BEVERAGE DISTRIBUTION



GENERAL CARGO



4-WAY MOVEMENT



OVERSIZE MATERIAL HANDLING

# HOOKLOADERS

PALFINGER Hooklifts is the most extensive brand of lifting equipment designed for movable containers. The functional design of our Hookloaders and Skiploader provides easy service and low maintenance.



CONSTRUCTION MATERIAL



RECYCLING



WASTE MANAGEMENT



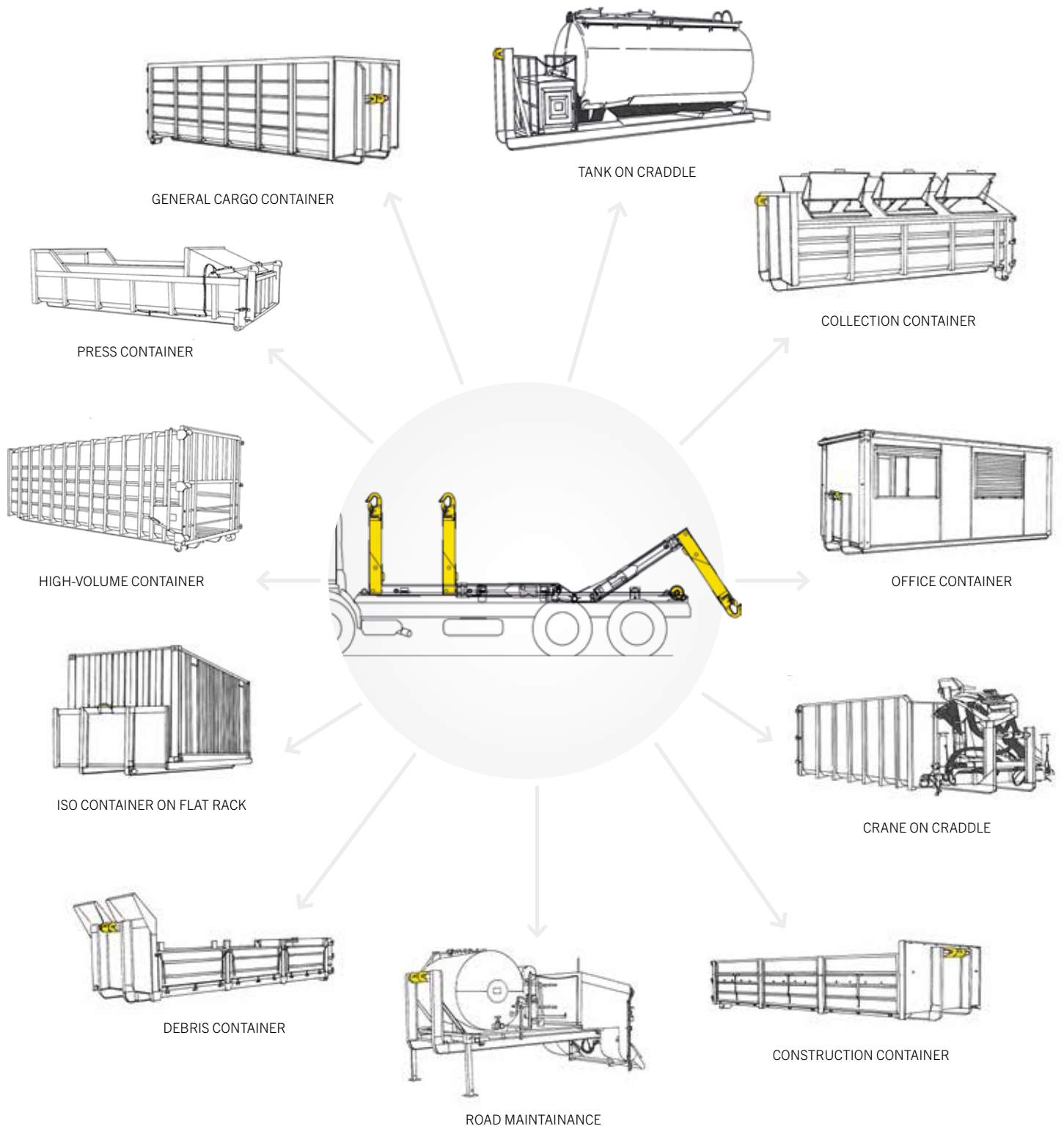
LOGISTIC SYSTEMS

# CONTAINER SYSTEMS

## One truck fits all!

The solutions for your success – use one truck for many applications. Simply choose the right container for your application. The PALFINGER “hookloader” is the key to huge flexibility and efficiency.

- Low investment = 1 truck for 10 containers/applications
- Save annual truck taxes, registration costs, maintenance costs
- Significantly lower additional costs for container bodies



# HOOKLOADER HIGHLIGHTS



**SAFETY LATCH**

Mechanic safety latch secures the container from falling off during loading & unloading. This latch moves automatically by gravity.



**SOFT STOP**

Soft landing after loading and tipping. Protects the truck, the hookloader and the container from stress and damage.



**STABILIZERS**

Axle stabilizer for 3 and 4 axles trucks. Rear Roller stabilizer: defined by the truck stability calculation.



**PNEUMATICAL CONTROL SYSTEM**

Reliable and proven control system for rough conditions. Easy maintenance and user friendly.



**POP - PALFINGER ORIGIN PROTECTION**

Increased lifetime: all parts are sand blasted, degreased, primer painted and electrostatically final coated according to ISO 12944 in the classes between 3 and 15 years.



**CONTAINER LOCKING**

Safe container transport thanks to hydraulic container locking as a standard. Operated by the cab control.



**LONGEVITY**

Casted parts provide longevity and robustness (hook, rear pivots, hinge supports, etc.). They increase product lifetime and resale value.



**CONTAINER SUPPORT**

Cast part to secure the container during transport. Available with wear parts. Adjustable for different rail width.



**VERTICAL MAIN VALVE**

Vertical main valve option give an higher protection against Off Road projections.



# HEAVY-DUTY RANGE



**VERSATILE**

PALFINGER HD hookloader allow loading, unloading and tipping of all types of containers (volumes, lengths, etc.). Telescopic HD can be used in many sectors of application such as waste management, public works, agriculture and humanitarian organisations.



**ROBUST**

HD-range is specially designed to work in rough conditions for off-road applications on heavy-duty trucks. It is perfectly adapted to high loading rates.



**LOW MAINTENANCE**

HD-range is designed with oversized frames and parts. Pneumatic controls associated with an easy to use operation allow reduced maintenance which can be made at every bodybuilder or truck workshop.



**HIGH PAYLOAD**

Use of high-tensile steel reduces hookloader weight for more payload. Optimized weight increases truck longevity and reduces fuel costs.



**INCREASED TIPPING CAPACITY**

Telescopic hookloaders are bi-point units. This reduces horizontal forces and increases tipping capacity.



**ALL CHASSIS BODYBUILDING**

Heavy Duty Hookloaders are easily fittable on all chassis even the highest.

## A WIDE RANGE FITS TO ALL NEEDS

### SOME STANDARD INSTALLATIONS\*

\*Key figures are given for indication only. Every project has to be calculated individually.

Truck	GVW (T)	WB (mm)	HL	Container mini (mm)	Container maxi (mm)	Volume Container maxi (m <sup>3</sup> )
4x2	19	4400	T12HDPI	3200	5200	26
4x4	19	4400	T16HDPI	3400	5400	27
6x4	26	3850	T20HDPI	4200	6600	30
6x6	32	3850	T24HDPI	4200	6600	30
8x4	32	4500	T28HDPI	4400	7000	35
8x8/ semi trailer	48	4500	G30/ G35	5000	12000	65

# SKIPLoadERS



MINING LOGISTIC MANAGEMENT



WASTE MANAGEMENT



CONSTRUCTION



LOGISTIC SYSTEMS



OFFROAD APPLICATIONS



# SKIPLoader HIGHLIGHTS

## STANDARD



SINGLE TIPPING HOOK



FOOT PLATE STABILIZER



MANUAL CONTROL DIRECTLY ON THE MAIN VALVE



PISTON ROD PROTECTION



CHECK VALVES ON EACH HYDRAULIC CYLINDER



ADJUSTABLE CONTAINER STOPS – LENGTHWISE / SIDEWAYS



STEPS FOR EASY ACCESS

## OPTIONS



CROSSBEAM



DOUBLE TIPPING HOOKS



TIPPING CHAINS



ROLLER STABILISER



PROTECTIVE WALL BETWEEN CAB AND CONTAINER



EXTERNAL BENCH SEAT



TELESCOPIC ARMS



CHAINS SHORTENER

# PALFINGER MBB TAILGATES

PALFINGER MBB tailgates are premium proven quality products made in Germany since more than 50 years. MBB tailgates are built to help loading and unloading goods from vehicles with payloads between 500 and 3000 kg.

The leading brand of tailgates has a worldwide fitting experience, on trucks, trailers and semi-trailers for all major chassis brands and models.



TRANSPORT AND LOGISTICS



FIRE DEPARTMENT



TAILGATE FOR TYRE TRANSPORT



LOADING AND UNLOADING



# FEATURING YOUR SUCCESS



**HYDRAULIC CYLINDERS**  
LIFTING POWER

PALFINGER MBB tailgates are equipped with reliable and durable cylinders. They have well protected piston rods!



**KTL – CATHODIC DIP PAINTING**  
FOR BEST ANTI CORROSION

The UV-resistant coating guarantees long-term surface protection. Perfect appearance during the entire lifetime for maximum resale value. KTL provides best corrosion protection for hostile environments and offroad applications.



**LONGEVITY**  
FULFILS YOUR DEMANDS

A sturdy technology, designed for tough use cases and road conditions. PALFINGER MBB tailgates are constructed with the best components for highest reliability and lower total lifecycle costs.



**FAST FITTING**  
COMFORTABLE AND SAFE

Tailgates can be fitted quickly and easily. Optional: bolted and adjustable mounting plates for an even quicker fitting.



**STEEL FERROTOP PLATFORMS**  
ROBUST FOR HEAVY LOADS

Steel platform is extremely robust and it is protected with KTL coating. Reflecting warning flags increase visibility and safety.



**ALUMINUM PLATFORMS**  
LIGHTWEIGHT

Aluminum platforms are manufactured to fulfil customer's needs for flexibility and payload maximisation. There are different heights available and the width is tailor made!



**HAND CABLE WANDERLEAD**  
USER-FRIENDLY

PALFINGER MBB hand cable wanderleads are equipped with ergonomic buttons and an extendable spiral cable.



**MAIN CONTROL BOX**  
PERFECT OPERATION

MBB Control Boxes have ergonomic control levers for fast and easy operation. The folding lid can be locked to prevent unauthorized use. It protects also the switches. The integrated lighting enhances ease of operation.



**ROLL-STOPS**  
HANDLING MADE EASY

Roll-stops make the handling of rolls, carts and pallet trucks much easier. Different positions and widths provide full flexibility for all kinds of loads.

# AERIAL PLATFORMS

## APPLICATION FIELDS

PALFINGER Platforms Italy, the solutions for your success: a large variety of users, from rental companies to private company and municipalities. The perfect tools for many different purposes.



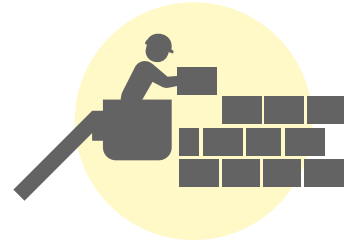
CLEANING COMPANIES



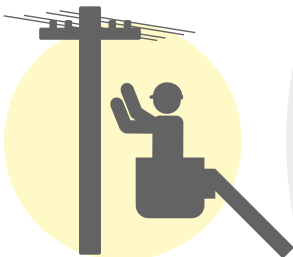
GUTTERING COMPANIES



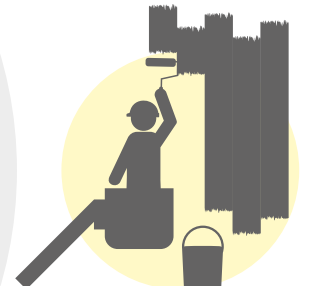
MAINTENANCES ENGINEER



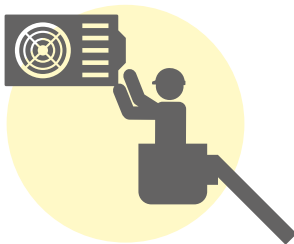
BUILDING COMPANIES



ELECTRICIANS



PAINTERS AND DECORATORS



FACILITIES ENGINEER



NURSERIES / TREE SURGEONS



MILITARY



PLUMBERS



STREET LIGHTING



## MODULAR KIT SYSTEM FOR EVERY INSTALLATIONS

Our complete range of aerial working platforms Smart Class are available in modular kit system for mounting on local trucks available all over the world.

Easy operation, ergonomic design, fully hydraulic processes and professional **PALFINGER** quality ensure safety for working at height in every application fields.

- Fully hydraulic operation
- Ergonomic and compact design
- Simple, robust and user friendly
- Safe and reliable product



# SPECIAL APPLICATIONS

With its large portfolio of products, PALFINGER is “the” partner for all demands arising from special applications. Even the usage of a combination of equipment provides unexpected advantages for the user. A long history of successful experience within the field of governmental

supplies is the guaranty for a long-lasting partnership. Therefore, whatever needs may arise, PALFINGER will provide you with a customised solution demands. Cranes, hooklifts and also logistics forklifts are provided for all requests within the transport chain.



MULTI-RULE RECOVERY VEHICLE WITH CRANE AND UNDERLIFT CAPABILITY



HOOGLIFT FLAT FOR ISO CONTAINER



LOGISTICS TRANSPORT TRUCK



TRANSPORT AND SPECIAL TRANSPORT APPLICATIONS



MULTI-PURPOSE FIRE BRIGADE TRUCK



SEMI-TRAILERS



UN MISSION CONCEPT CHASSIS



HEAVY-LIFTING LOGISTICS CHASSIS



COMMUNICATION SHELTER TRANSPORTER



ISOTIP CONTAINER LOGISTIC



MOBILE BRIDGE LAYER UNIT



CRAYLER FORKLIFT IN FIELD CAMP SET UP



COMPLETE DELIVERY OF FULLY SET UP HOOKLIFT TRUCKS BY PALFINGER

# AFTERSALES

## SPARE PARTS SUPPLY



Several spare parts centres worldwide guarantee a seamless supply of spare parts. On average, around 1000 items are processed each day and handled competently. All original spare parts are tested and comply with the PALFINGER quality standard.

## WARRANTY



PALFINGER products are impressive due to their superior lifecycle performance. They are the most reliable over the entire product life. We offer the following standard warranty conditions:

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### MORE EFFICIENCY IN USE

- 12-month full warranty on all products
- 24 months warranty on all load-bearing parts of cranes that work in gripper operation
- 36-month warranty on all load-bearing parts
- Detailed warranty conditions have to be checked with your PALFINGER contact person

## SERVICE AND TECHNICAL SUPPORT



With approximately 4500 sales and service bases worldwide, PALFINGER provides an extensive service network. The top trained personnel of our service partners and licensed workshops provide help quickly.

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### MORE EFFICIENCY IN USE

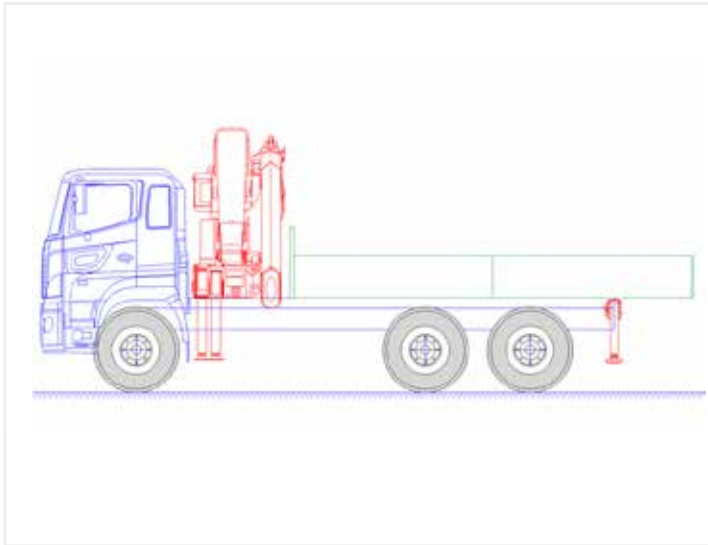
- Low failure rates
- Highest equipment availability

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### BEST SERVICE ORGANIZATION

- Best trained workshop employees worldwide
- High availability of spare parts
- Quick help in emergencies

## PACWIN



The PACWIN load & stability calculation software combined with the installation drawing offers the most accurate unit length combining needs and truck specifications.

### BENEFITS

- Completely new and user-friendly design
- New functions and calculations
- Large truck database
- Complete project administration
- Individual design of print layout
- Modular program design



## PALIPEDIA



PALFINGER offers a special online ordering system - PALIPEDIA where you can find:

- Spare parts catalogues
- Technical information sheets
- Electrical wiring diagrams
- Paltronic data files

We are able to check the availability of a spare part at any time and wherever you are.

## CONTACT

**FOR FURTHER INFORMATION,  
PLEASE CONTACT:**

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