RR

EN

PLATFORM BASKET

RAIL ROAD ACCESS PLATFORM

MADE IN ITALY

The “**Railway Division**”: the utmost reliability and professi

Commitment, reliability and professionalism in the aerial work transport sector have given the Platform Basket brand its introduction to the railway sector.

Our experience in various industrial sectors, including our specialisation in tracked platforms, has led the Emilia-Romagna (Italy)-based company to develop a road/rail model which has had recent success in various parts of Italy and abroad.

With this success, Platform Basket now boasts a specific railway division which produces specific aerial work equipment for people and equipment, designed to solve general railway maintenance problems.
We now offer extremely lightweight, manoeuvrable and high-performance products which allow maintenance to be performed with ease, using road transport to reach the work location, preventing blockages or delays on the railway line.

The strict railway regulations are an integral part of the development of each new piece of equipment created by Platform Basket. Products certified for the most important European and international railways are now available.

This is an important milestone which represents an ICON for the promotion of products in each sector.

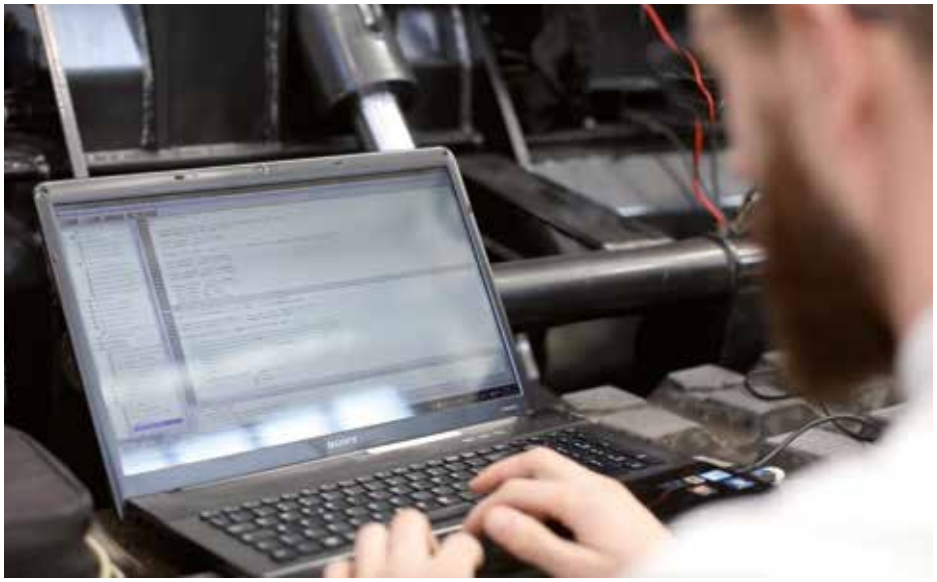
ionalism.

Research and development elevated to the highest power

Platform Basket produces aerial work platforms that stand out for their reliability, safety, performance, quality and ease of use.

The products are constantly evolving in order to ensure that the highest performance standards are maintained.
Never before has technology evolved so quickly, making it necessary to keep up to date at all times and supply products which offer an easy approach to management and use.

Our customer focus is a driving element in a continuous, professional relationship.



After-Sales Training

Platform Basket initially structured its organization with the necessary attention to the training of its own sales network.
This initially involved its own technicians from the design and development department, and then personnel specifically trained to carry out training activities both internally and directly at dealerships.

Remote Diagnostics

A remote diagnostics system for the platform is currently being developed in order to further improve the quality of the after-sales service for the customer.

Spare Parts

The replacement of parts is now organised in such a way as to allow the dealer to easily identify the spare parts, allowing them to order the parts to be shipped in a very short timeframe simply by writing to us.

A dedicated warehouse operator and an extremely well stocked warehouse allow most requests to be dealt with very quickly.

Organization at the root of the service

From steel to the finished product

Platform Basket devotes great attention to the control of its entire manufacturing process.

Today's product is the result of a special focus from management, which directs its production strategies towards technologically advanced solutions.

Belonging to a holding company which also owns a structural steelwork firm (TMC Srl), with over 40 years' experience, has allowed the creation of welded structures using extremely reliable robotic processes.

The experience gained in this field has allowed Platform Basket's engineers to make use of a unique combination of experience and technology to which they would not otherwise have had access.

This successful design and production synergy then led management to acquire a company specialized in the creation of electrical systems in the mobile sector.

This further choice has proven to be essential in terms of flexibility in the construction of our products and the acquisition and exchange of know-how.

Although recently acquired, QBM Srl is already working full time on Platform Basket's electrical installations and electronic systems.

No less interesting in the context of the process is the system of storage and collection of materials, all strictly stored in vertical storage systems which are controlled directly by IT systems. This allows only the operatives to pick the materials and supply them to the lines for the model being produced.

The technical solutions which make our products unique

Specialisation

Unique self-propelled aerial work platforms for the railway sector, specifically designed and built for this purpose.
The numerous models of platform sold in the railway sector are derived from industrial platforms which are then converted to railway use. Platform Basket, in compliance with sector standards, designs equipment with native technological content for the intended use, researching ways to optimise the weight distribution, control the working area, and monitor the operational data via a "**black box**", all in absolute safety and reliability for the operators in the basket.

Innovation (RR9)

Adoption of track rotation system on the small RR9/200 model which can be transported on trailers.
This innovative rotation system of the tracked carriage via remote control ensures complete machine safety when entering and leaving the railway, and great ease of positioning it on the railway tracks.
In just a few minutes it is possible to offload the platform from the road transport trailer and position it on the railway tracks, even without an access platform.

Automatic Levelling

A smart automatic levelling solution for the upper structure in relation to the cant of the bend. This solution, adopted by Platform Basket more than a decade ago, is still one of our main selling points. The system allows the operatives in the basket to work on any track cant condition (up to a grade of 8°) with the basket always horizontal levelled.

Lithium Ion Batteries

An ever-greater focus is being placed on technology to fight pollution, both noise pollution and emissions from internal combustion engines. Platform Basket has, for some years now, been encouraging the users of its equipment to adopt hybrid or even fully electric systems.
Lithium-ion (LiFePo4) battery technology has allowed a significant performance increase with reduced weight, and above all with constant use of the battery as the level of charge varies.

The RR14/400 and RR19/500 models are currently offered in hybrid versions, thus guaranteeing optimum operation in any situation of use.

The new compact RR9 model, on the other hand, boasts a fully electric solution which allows it to be used in any situation with low noise levels and zero tailpipe emissions.

Pantograph 3064PB

Optional measurement and earthing accessory for use with all RR 14 models.
Compact when closed to optimise use, reducing the total height to three metres. This characteristic allows the platform to be transported on a standard load bed without having to remove the pantograph from the machine.
This pantograph can also be used on other vehicles, simply by connecting it to the vehicle with which you wish to measure the overhead lines.
Vertical movement is provided by a telescopic system, while there is a free movement bar in the upper section with the dual function of earthing the machine and providing a constant thrust on the overhead line (from 5 to 50 kg).

It adjusts automatically to the vertical position in order to keep the contact with the overhead line constant: a digital display allows the operatives to monitor the distance between the track and the overhead line. A graduated rod, positioned on the bar, also allows the horizontal position of the cable to be read.
The 3064PB pantograph is designed with an automatic locking and release system which does not require support from the operative.

Optional equipment:
- 1600 mm wide bar instead of 1900 mm wide standard model
- GPS and data logging with SIM card.
- Large display installed on the bar and visible from the basket.

- Clutched winch to facilitate the installation and removal operations of the 3064PB
- Inductive rod for lateral measurement with the goal of monitoring the lateral, as well as the vertical, position of the overhead line. This system ensures that the inspection is recorded through a data logging system and a GPS device.

Technical data
Maximum flow rate: 9 l/min
Maximum pressure: 140 Bar
Thrust on aerial line: from 5 to 50 kg
Closed size: 2.21 m
Open size: 5.21 m
Lateral measurement: graduated rod
Total weight: 220 kg

Electrical specifications
Voltage: 24 Vdc
Impedance through pantograph: Ohm
Earthing cables CSA: 70 mm^2

Certifications

High level of quality controls and Certifications

From the first moment we started to reflect on the production of platforms for aerial work on railways, we understood that we would have to think about a product with multiple configurations, so as to be able to certify it in total with respect to the different regulations present in the various countries of the world. In the railway sector, the RAIL ROAD 14 aerial platform has obtained approvals in Austria, Holland, Denmark, Belgium, Sweden, England, Germany, Switzerland, France and Australia as well as approval through the National Railway Authority.

Certifications obtained:
EN 280 : 2015 (Europe)
AS/NZ 1418:2011 (Australia)
AS/RISSB 7502:2016 (Australia)
EN 15746 1&2 (Europe)
RIS 1530/6 (UK)
TDOK 0002 (Sweden)
SNCF NF F 58002 (France)
RIL 931.0003 DB Netz (Germany)

Further approvals are underway and will allow it to be marketed in most countries around the world.

EN 280:2015

AS/NZ 1418:2011

AS/RISSB 7502:2016

RIS 1530/6

EN 15746 1&2

SNCF NF F 58002

TDOK 0002

RIL 931.0003 DB NETZ

Available Series

RAIL ROAD SERIES								CONTENTS
	Series	Working height	Side reach	Power units			Trailer Transport	Page
		m	m	STD	E	ED		
	**RR 9/200**	9,50	4,70	●	●		●	10
	**RR 11T**	10,50	5,70	●	●			12
	**RR 14/400**	14,10	9,30	●		●		14
	**RR 19/500**	19,00	12,60	●		●		16

Series:
RR 9/200 Compact, lightweight and versa tile for li

The new **RR9/200** is the small aerial platform recently developed by Platform Basket in order to make aerial railway maintenance extremely easy.

The product was designed with the goal of offering an extremely light and compact piece of equipment that can be transported by road trailers with a maximum total weight of 3.5 tons, capable of working on railways up to a working height of 9.5m with 200kg of payload and two people on board. RR9/200 offers the possibility of having a self-propelled platform for both rail and civil aerial work.
The equipment can therefore be transported to the workplace with the use of pick-ups or vans equipped with tow hooks, with the aid of light trailers that can be driven without an HGV licence.

The structure of the RR9/200 is composed of a tracked base carriage for road and off-road use which offers excellent grip under any ground condition, together with a low specific load specifically designed to allow its movement even in the presence of delicate floors of railway stations.

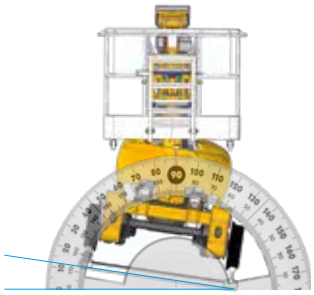
The base carriage also offers a system of 2 hydraulically controlled carriages that allow the transfer of the machine from tracks to railway wheels.

The real advantage of this base carriage, however, is the **hydraulic rotation of the tracks perpendicular to the 2 railway bogies, which allows easy access to the railway without the need for special alignment manoeuvres.**

The transmission features independent drive wheels both for the control of the tracked carriage and for the transmission on railway wheels. Each railway drive wheel has a negative brake to guarantee braking of the equipment under all conditions when power is not present. In combination with a two-speed system, RR9/200 can be used at a speed of up to 10km/h on the railways.

The power is delivered by a 10.5 kW diesel engine.

On request, it can also be equipped with lithium-ion batteries for fully electric operation in order to make the equipment suitable for use in tunnels, underground railways and inside buildings such as sheds, stations etc.



The upper structure is composed of a 360° rotating turret with automatic levelling of the basket even in the presence of a rail cant of up to 180mm with a 1435mm gauge.

Its articulated arms make it extremely compact and suitable for entering and leaving the railway even in the presence of a road open to traffic.
The all-aluminium aerial basket offers sufficient working space to accommodate up to 2 people on board (200kg).
Through a sequence of copper braids of 70 mm^2 CSA, located between the various joints of the platform, equipotential is guaranteed between the operator basket and the railway track to ensure the safety of personnel on board in the event of electric spikes.

Main technical features:

- 200 kg basket working load
- 9.50 m working height
- 4.70 m side outreach
- Two-man basket
- Self levelling platform on railway bends (cant)
- Independent drive transmission on tracks & railway
- Diesel Kubota engine, 10.5 kW
- Towable on regular 3.5 Ton GVW trailers
- Removable and interchangeable basket

ght railway maintenance works.

Series:

RR 11T

Compact, robust and versatile for railwa

The new RR11T is the small telescopic platform recently developed by Platform Basket with the aim of making railway maintenance at height extremely easy.

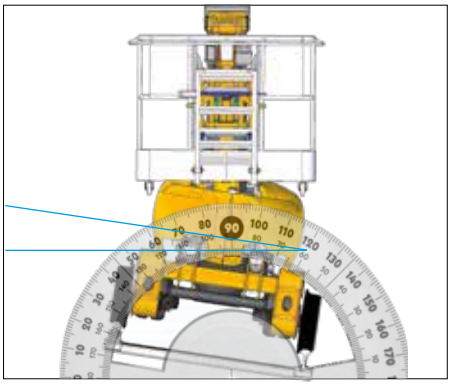
The project was created with the aim of proposing an extremely light and compact piece of equipment that can be transported with towable road trailers with a maximum total weight of 3.5 tons and capable of working on railways up to a useful height of 10.5m with 230kg of useful capacity and 2 people on board. RR11T offers the possibility of having a self-propelled platform for both railway and civil aerial work.

The equipment designed and developed therefore allows, with the use of pick-ups or vans equipped with a tow hook, to be transported to the workplace with the aid of light trailers that can be used with a traditional license and an extension.

The structure of the RR11T is made up of a base chassis designed on a track for road and off-road use which offers excellent ground grip in any ground condition together with a low specific load particularly designed to allow movement even in the presence of delicate surfaces of railway stations.
The basic carriage then offers a system of 2 hydraulically controlled trolleys which allow the positioning of the machine from track to railway wheel.
But the real advantage of this basic wagon concerns the **hydraulic rotation of the tracks perpendicular to the 2 railway bogies which allows easy access to the railway without the need for particular alignment manoeuvres.**
The transmission is made with independent motor-wheels both for the control of the tracked carriage and for the transmission on the railway wheel. Each railway motor-wheel has a negative brake designed to guarantee the stopping of the equipment in any condition of absence of driving force. Together with a two-speed system, the RR11T can be used up to a rail speed of 10km/h.
Power is delivered through a 10.5 kW internal combustion diesel engine.
On request it is also possible to equip it for completely

electric operation with lithium ion batteries in order to make the equipment suitable for use in tunnels, subways and inside buildings such as hangars, stations etc.

The upper structure consists of a 360° rotating turret with automatic leveling of the nacelle even in the presence of railway inclination (CANT) up to 180mm with 1435mm gauge.
Its articulated arms make it extremely compact and suitable for entering and exiting the railway even in the presence of a road open to traffic.
The completely aluminum aerial spacecraft offers sufficient work space with the possibility of accommodating 2 people on board (230kg).



Main technical features:

- 230 kg carried in the carrycot
- 10.50 m working height
- 5 .70 m lateral outreach
- Two-seater/two-seater basket
- Self-levelling platform on curve railway (CANT)
- Independent transmission on track and railway wheel
- Kubota 10.5 kW diesel engine
- Transportable on a 3.5 ton trailer of PTT
- Removable basket

Through a sequence of copper braids with a 35mm2 section, located between the various joints of the platform, the equipotential between the operator's basket and the railway track is guaranteed to guarantee the safety of the personnel on board in the event of an electric spike.

Main fields of use:

• In the civil sector, thanks also to the limited weight of the equipment and load on the ground, it is suitable for maintenance on the shelters of railway stations and for its maintenance.
• Rail access for light maintenance work such as signage, lighting and general railway power lines.
• In tunnels and in the Metro for internal maintenance of buildings such as stations. Equipped with Lithium Ion batteries to allow clean energy with 0 emissions.

The 90° rotation of the tracks allows you to immediately switch from railway logistics to road logistics.

Ergonomics of the easy-to-use control module using joysticks, levers and an intuitive display. With RR/11T work is almost a game.

Road handling can be controlled both from on board and using the practical mobile console worn by the operator on the ground.

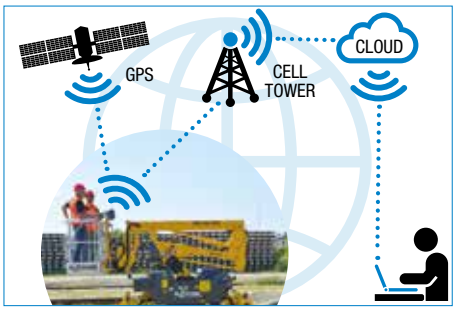
ay maintenance at height.

Pantograph equipment
(on request).

Grounding and measuring pantograph which allows approval in France according to the safety measures of the country and, furthermore, allows the control of the height of the catenary with respect to the track.

Flexibility of use from work on the railway to maintenance on the ground.
The compactness of RR/11T allows you to get anywhere even through narrow passages.

Anemometer (on request)
For monitoring and warning when the maximum permissible wind speed is reached (45km/h).



Remote diagnostics and geo-location (on request)
Device installed on board the equipment that allows remote control by personnel aimed at maintaining the efficiency of the platform.

Series:
RR 14/400 Powerful and functional, both on ro

A light and versatile platform designed and manufactured to allow combined use both off-road and on railway tracks. It features a self-levelling turret, a spacious basket for 3 people with 400kg load capacity, and independent drive on both tyres and rails.

The platform is particularly well suited for maintenance of railway infrastructure electrical lines.

Independent hydraulic drive system on road and rail in order to make use of the machine easier and more functional. Available with interchangeable railway axles with reduced gauge

Engine
The platform is now available with a 42 kW engine which complies with the stringent "EU Stage V" emissions standards via a DPF on the exhaust system.

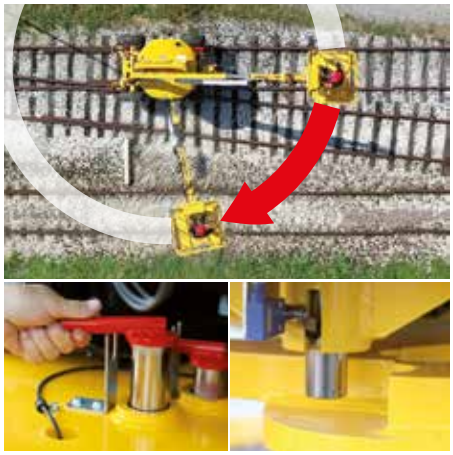
Main technical features:

- Easily transportable to the workplace
- Compact with high basket load capacity
- Self-levelling on railways, compensating for a cant of up to 200 mm
- Fast transfer speed of up to 19 km/h (up to 5 km/h with booms extended)
- Versatile and packed with accessories such as hydraulic generator, auxiliary engine, measurement pantograph, multiple gauges, remote diagnostics and geolocation.
- Easy access to tracks via four steered wheels with tyres.

Automatic levelling
Possibility to work on tracks with cant of up to 200 mm, with automatic levelling of the turret and all aerial parts in order to maintain a working position which is level at all times.

Driving camera
In order to improve driver visibility, it is possible to install an optional video camera and display to provide an improved view of the side opposite the aerial basket. This also facilitates alignment with the track when the platform enters the railway.

Rotation: +/- 180°
limited by mechanical pins and electric sensors, with display in the basket.



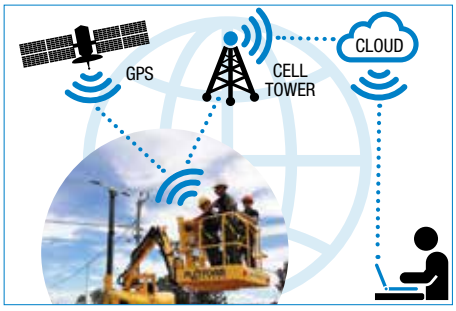
Equipotential shielding.
All platforms are fitted with large-section copper cables in order to minimise the electrical resistance between the aerial basket and the railway wheels. Complies with railway regulations in all countries.

ad and rail (hybrid version available on request).

Large basket
with load capacity up to 400 kg (3 people + 160 kg of equipment). Basket rotation: 180°. Simple, easy-to-use control panel in an accessible position.

Anemometer for monitoring and warning that the maximum permissible wind speed (45km/h) has been reached

Tele-diagnostics and Geo-location (on request). Device installed on board the equipment that allows it to be remotely accessed by personnel to maintain the efficiency of the platform.



Series:
RR 19/500 Powerful, manoeuvrable and safe wi

The big brother of the current RR14/400, but with the same main features such as EURO V engine, auxiliary engine, independent hydrostatic transmission; it offers a load capacity and working height greater than the smaller model. This model is ideal for work at heights of above 14 m.

Equipped with a telescopic boom, it is extremely rigid and safe on board, with the load capacity for the three-person basket further increased to 500 kg.

The technological solutions adopted include the telescopic main boom, with a complete lack of externally mounted wires and hoses.

Driving camera
In order to improve driver visibility, it is possible to install an optional video camera and display to provide an improved view of the side opposite the aerial basket. This also facilitates alignment with the track when the platform enters the railway.

The all-wheel-drive transmission with four steered wheels with tyres and the same number of railway drive wheels make it extremely capable when driving over obstacles and in off-road use.

Automatic levelling
Possibility to work on tracks with cant of up to 200 mm, with automatic levelling of the turret and all aerial parts in order to maintain a working position which is level at all times.

Rotation: +/- 180°
limited by mechanical pins and electric sensors, with display in the basket.

Engine
The platform is equipped with a 55 kW engine which complies with the stringent “EU Stage V” emissions standards via a DPF on the exhaust system.

Main technical features:

- Easily transportable to the workplace
- Compact with high basket load capacity
- Self-levelling on railways, compensating for a cant of up to 200 mm
- Fast transfer speed of up to 19 km/h (up to 5 km/h with booms extended)
- Versatile and packed with accessories such as hydraulic generator, auxiliary engine, measurement pantograph, multiple gauges, remote diagnostics and geolocation.
- Easy access to tracks via four steered wheels with tyres.
- Features a telescopic boom with no lines installed on the outside of the boom.
- Oscillating railway axle in both directions of travel.

th working height of up to 19 metres.

Lines inside boom
An internal guide system inside the telescopic boom allows both the hydraulic ram and the lines and wires to be installed internally, meaning delicate parts are not mounted on the outside where they could be struck by foreign bodies and compromise the operation of the platform.

Equipotential shielding. All platforms are fitted with large-section copper cables in order to minimise the electrical resistance between the aerial basket and the railway wheels. Complies with railway regulations in all countries.

Driver seat
On request, a fold-down seat can be installed for the platform driver to make long transfers more comfortable.

General specifications

The advantages of this product range involve the possibility to offer a series of equipment starting from the smallest which can be transported on trailers and can easily access any location, whether mountainous or on the flat, with narrow access and loose ground, where normal vehicles cannot pass.

All platforms are equipped with an onboard display providing the main operating information, displaying any operating faults to the operator immediately.

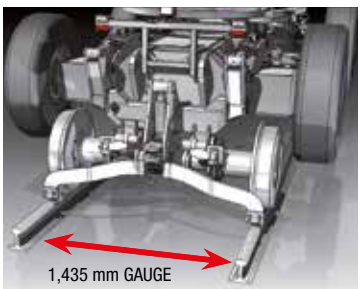
Numerous work lights are installed on different points of the platform to facilitate night-time use of the machine.

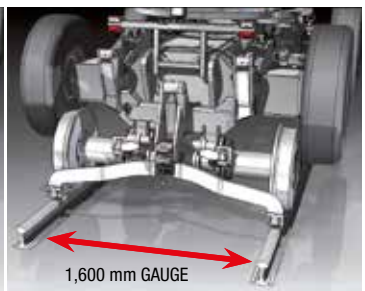
The small RR9/200 is equipped with a tracked drive, which allows it easier access to the railway and offers reduced ground loading, making it particularly suitable for use on railway platforms.

The RR14/400 model is available in different versions, in particular the recent HYBRID version which allows its use in environments in which a focus on emissions and noise pollution are key.

The RR14/400 model is the current undisputed market leader in terms of its ease of use and compact transport on trailers.

The brand-new model with 19-metre working height draws its main operating features from the 14-metre model, but has an increased reach and load capacity.
It is therefore the ideal model for the most demanding customers who need to work at the side of the railway rather than performing typical work on overhead lines.





On request, the machines can also be equipped with multi-gauge railway axles to increase their versatility.

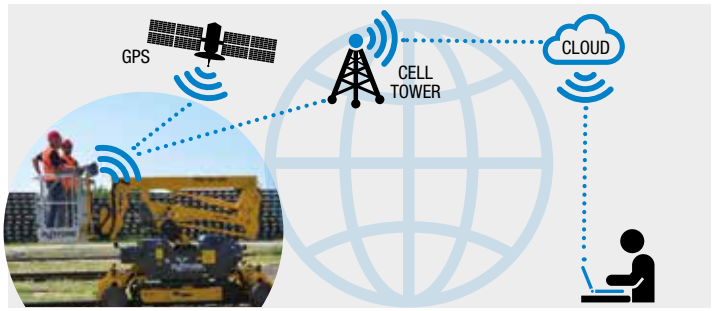
Accessories

Accessories for RR9/200

Super-lightweight transport trailer

Removable generator

Anemometer



Remote diagnostics and geolocation system

Single-man basket

Accessories for RR14/400 and RR19/500

Hydraulic generator

Measurement pantograph

Machine data “black box” recorder

Auxiliary engine

Emergency electric pump

Transfer video camera

Anti-entrapment device

Trailer hydraulic braking device

Accessories for all models

Synthetic high-performance oil (PANOLIN)

Biodegradable oil

Warranty extension from 12 to 24 months

Warranty extension from 12 to 36 months

6-5-25

ANFIA

IPAF Socio

Made in Italy

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DNV·GL

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