Hinowa®

the future is now

LITHIUM-ION

Aerial platforms with
Lithium-ion system

Lithium—Ion

The Lithium-Ion system for Hinowa aerial platforms: high efficiency and low consumption.

The lithium-ion technology, developed by Hinowa, allows for the centralised energy produced from renewable sources in an efficient manner and with a **low environmental impact** to be used locally and efficiently, even when it comes to tracked aerial platforms.

The need to maximise the autonomy of the machine inevitably takes **energy savings** into account; for example, the machine features the *START & STOP* system: the electric motor starts only when the movement controls are used.

The extreme versatility of use of the Lithium versions, in outdoor and indoor environments, fully meets the needs of the most experienced operators.


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evolu—tion

Hinowa platforms. The most evolved. The most powerful.

Lithium-ion battery platforms have been produced for more than 10 years, they have passed every test, every hesitation and are conquering many markets, even the more conservative ones.

They have all the characteristics required by the market

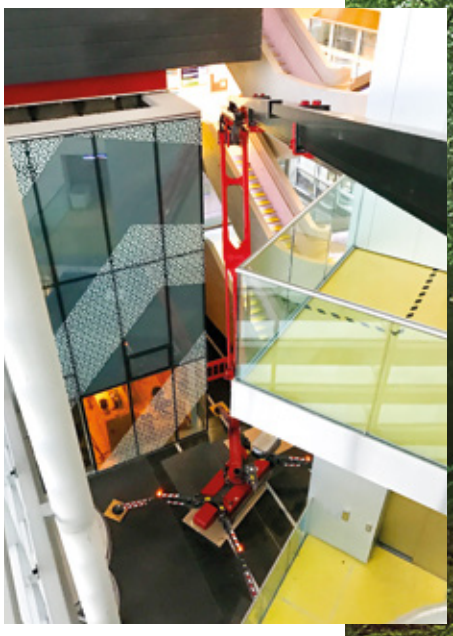
- Safety ▪ Strength ▪ Reliability
- Simplicity of use ▪ After sales service

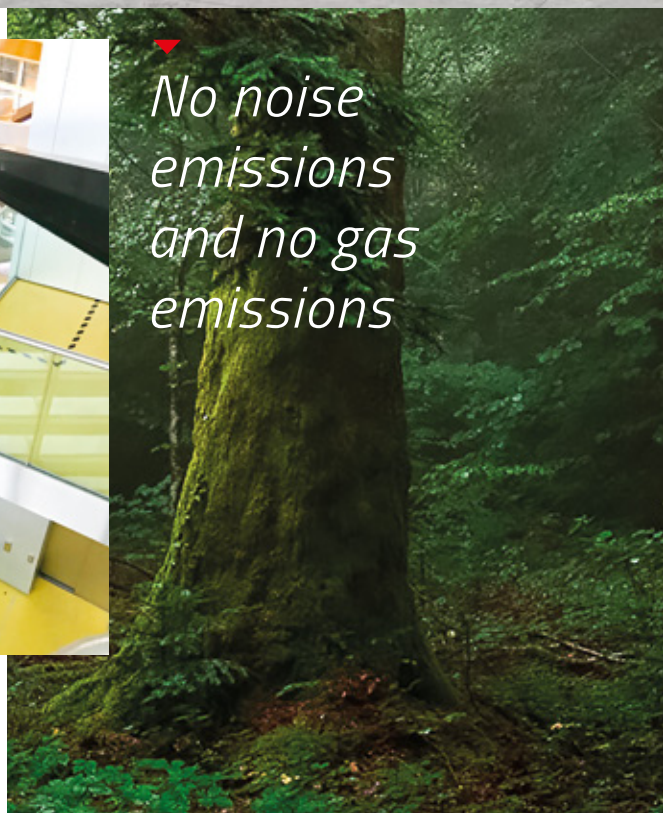
Hinowa lithium platforms offer much more:

- They are silent
- They do not emit exhaust fumes
- They do not use fuel
- They do not have electrical cables
- Consumption is minimised
- They are recharged from the electricity mains at the work site.

They can be used in all historical centres, in parks and gardens without limitations regarding times or holidays.
They can always operate freely.


Hinowa




No noise emissions and no gas emissions

Why

should you choose an electric aerial platform?

Hinowa is a pioneer in this type of power, having dedicated many years to research, development and fine tuning, resulting in a low-cost lithium ion-based power system for aerial platforms.

During use, no power cables are required.

The system offers the following advantages:

- No gas or fume emissions
- No need for a power socket
- No risk of tripping on or damaging cables (e.g. shopping centre)
- No sound emissions in historical centres, near houses and at companies
- High battery pack autonomy (one working day, measured with Hinowa H1 operating cycle)

CHARAC— TERISTICS

The three-phase electric motor

only works when the operator requests a movement, so the motor does not run unladen and the inverter allows to work at different speeds, optimising functionality and consumptions.

The built-in diagnosis system

of the Hinowa Lithium machine allows you to identify any anomalies immediately on the remote control display by means of an error code and it also allows you to monitor the main operating parameters and the status of the battery pack.

A dedicated Hinowa program

allows for all the operating parameters and battery pack parameters to be monitored and recorded in detail on a PC, giving fast and reliable diagnoses.

The machine always informs

the operator through the display and acoustic signals.
For example, when the battery is low, there will be an acoustic signal and then the movements will slow down and the relative icon will appear to inform the operator and give him/her the opportunity to take the machine to the power outlet.

Machine autonomy

the machine will last a whole working day, if the lunch break is used to partially recharge it.

The machine can also be used

while it is connected to the power outlet and being recharged, ensuring maximum flexibility of use.

Thanks to the absence of the memory effect

the lithium machine can be recharged when it is more convenient for the operator, without reducing the service life of the battery pack; if for example it is usually used until the battery is half-charged, the battery life cycles are doubled.

Not only for indoor use

Hinowa platforms with Lithium-ion system are also suitable for outdoor use: they feature cooling fans for operation in summer conditions.
And they also have automatic heating for operation in winter conditions.

Battery charger shows charge level

Silent and emission-free

Hinowa Lithium-Ion tracked aerial platforms have no application limits. They can be used without time restrictions even in closed environments such as shopping centres, airports, museums, churches, resorts, cruise ships, amusement parks and in particular industrial environments such as food or chemical.

What are the structural differences compared to engine-driven models?

Hinowa electric aerial platforms are structurally similar to the ones with a combustion engine. The only substantial difference is that is has a battery compartment instead of a combustion engine, i.e. a watertight steel container. The performance is easily comparable to models with fuel-based engines.

Range

The Lithium-Ion system is supported by these platforms

	GOLDLIFT	LIGHTLIFT IIIS		PERFORMANCE IIIS					
	GoldLift 14.70	*LightLift 14.72*	*LightLift 23.12*	*LightLift 13.70*	*LightLift 15.70*	*LightLift 17.75*	*LightLift 20.10*	*LightLift 26.14*	*LightLift 33.17*
Platform capacity	120 - 200 kg	120 - 200 kg		230 kg					
Battery pack voltage	48 V	48 V	72 V	36 V	36 V	48 V	72 V	76 V	76 V
Battery	100 Ah	90-100 Ah	90-100 Ah	100 Ah	100 Ah	100 Ah	90-100 Ah	100 Ah	150 Ah
Electric motor	2 kW	2 kW	3,5 kW	2 kW	2 kW	2 kW	3,5 kW	3,5 kW	6 kW
Battery charger on board	220V ±10V 50÷60 Hz 110V ±10V 50÷60 Hz	220V+-30V 50-60 Hz 110V+-30V 50-60 Hz		220V+-30V 50-60 Hz / 110V+-30V 50-60 Hz					
Weight of machine	1810 kg	1490 kg	3200 kg	2220 kg	1992 kg	2300 kg	2980 kg	4384 kg	7740 kg
Travel speed	1,2-2,4 km/h	1,1-2,1 km/h	0,vv7-1,2 km/h	0,4-0,8-1,6 km/h	0,4-0,8-1,6 km/h	0,4-0,8-1,6 km/h	0,8-1,6 Km/h	0,7-1,2 km/h	0,6-1,3 km/h


Hinowa *Lithium*–**Ion**
Aerial Platforms

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