Economic wire rope lifting technology

2023

SUSPENDED PLATFORMS
SP SERIES
CAPACITY 250~1000kg
SPEED 9~11m/min

BMU PIONEER
FAE SERIES
CAPACITY 250~800kg
SPEED 0~12m/min

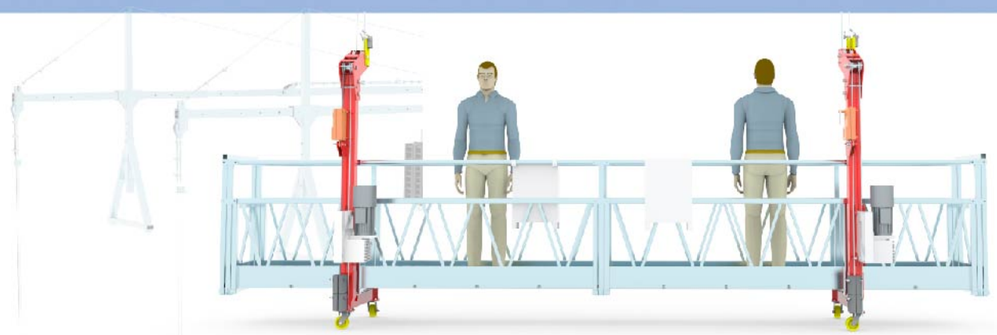
HYUN WIND
SL SERIES
CAPACITY 300~500kg
SPEED 0~12m/min

POWERSTON

ZLP SUSPENDED PLATFORMS

Simple Economic Efficient

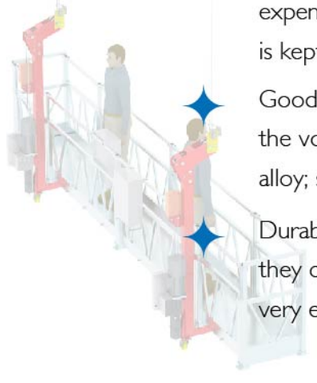
POWERSTON



Suspended platforms are used for exterior construction,decoration,cleaning And maintenance of high rise building, a substitute of Traditional scaffold, and ideal machine, the welding of seagoing ship in shipbuilding industry, cleaning of oil-based paint,installation of elevator,big-size tanks and high chimneys, And inspection,cleaning and repair of brige.

Simple economic efficient sp suspended platforms the main advantage lies in:

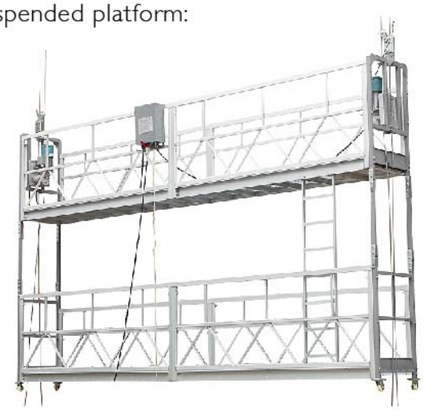
- Modular suspended platforms that are safe and comfortable to use Our products range combines all the essential elements for safe, efficient facade access into one revolutionary system – the new standard for working at heights quickly, comfortably and safely.
- Lower cost The suspended platforms can sharpen the builders' competitive. Edges through by dramatically reducing the operation Period, saving the cost and expenditures by 90% and enhance. The labor productivity by 3 times, while its price is kept as low. As one third of those similar equipment from other customers
- Good after-sales services The working height can be adjusted with your. Need the voltage can be adjusted with your need. Three platform's materials: aluminum alloy; steel; steel with dipping zinc
- Durability Our modular suspended platforms are built to last. That's because they can stand up to the elements. And our modular suspended platforms are also very easy to maintain

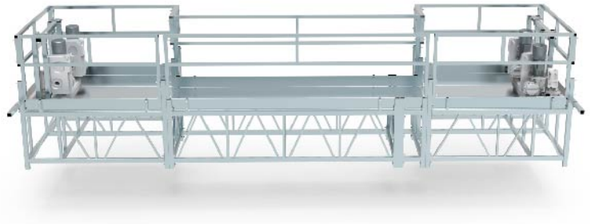


ZLP Series Suspended Platform Technical Parameter Table

Item / Model	ZLP250	ZLP500	ZLP630	ZLP800	ZLP1000
Rated load (kg)	250	500	630	800	1000
Lifting speed (m/min)	9~11	9~11	9~11	9~11	9~11
Voltage (V)	380 / (415 / 220)	380 / (415 / 220)	380 / (415 / 220)	380 / (415 / 220)	380 / (415 / 220)
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Rated power (kw)	1×1.5	2×1.5	2×1.5	2×1.8	2×2.2
Hoist model	LTD6.3	LTD6.3	LTD6.3	LTD8.0	LTD10.0
Safety lock model	LST30	LST30	LST30	LST30	LST30
Wire rope model	4×31SW+PP-8.3	4×31SW+PP-8.3	4×31SW+PP-8.3	4×31SW+PP-8.6	4×31SW+PP-9.1
Suspension weight (kg)	170	340	340	340	340
Counterweight (kg)	500	900	900	1000	1250

Non-standard can be customized for various types of suspended platform:





BUILDING MAINTENANCE UNIT (BMU)

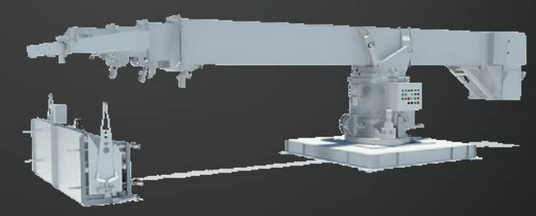
POWERSTON is the specialist in fully customized Building Maintenance Units. We could create the biggest, heaviest and most complex BMU's in the world.

POWERSTON BMU RANGE

Model	B100
Lifting speed(max.)	0~12 m/min
Max. lifting height	450m
Out reach (max)	6000
Track gauge	up to 1500
Length of trolley [between wheels]	Min. 1500
Power of supply	380V / 50Hz / 3P

POWERSTON BMU RANGE

Model	B101
Lifting speed(max.)	0~12 m/min
Max. lifting height	450m
Out reach (max)	6m
Track gauge	up to 1500
Length of trolley [between wheels]	Min. 1500
Power of supply	380V / 50Hz / 3P



At POWERSTON we believe that working at height should be safe and simple. Whether you are doing maintenance work on a roof or washing the windows of the world's biggest skyscraper. Everybody everywhere should be absolutely safe whilst working at heights.

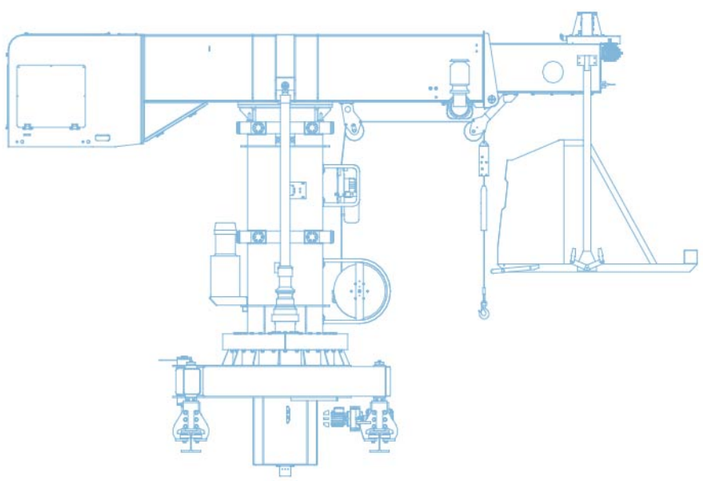
Here at POWERSTON, we are always looking out for new challenges. With every innovation and every product improvement we make, we keep setting the standards higher. By doing this we work towards our goal of making working at heights safer and easier.

The frame housing the hoist is part of the main structural frame of the machine. Can be provided with telescoping jib and a full range of cradles.Selected if:

There is minimal space at the back for the counterweight

Required outreach generally in the 5-15m range

Building height is up to 450m.



POWERSTON

BUILDING MAINTENANCE UNIT (BMU)

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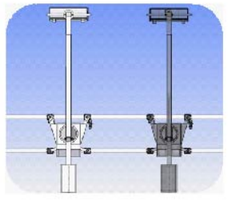
POWERSTON BMU RANGE

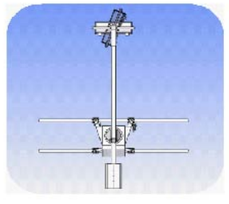
Model	B102
Lifting speed(max.)	0~12 m/min
Max. lifting height	450m
Out reach (max)	20m
Up height (max)	up to 12m
Swing speed	0~7.2 m/min
Power of supply	380V / 50Hz / 3P

POWERSTON BMU RANGE

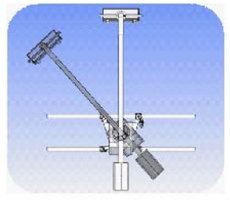
Model	B103
Lifting speed(max.)	0~12 m/min
Max. lifting height	250m
Walking speed	0~7.2 m/min
Walking corner	up to 60°
Lifting load (max.)	400kg
Power of supply	380V / 50Hz / 3P



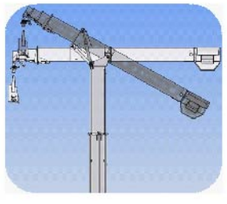
Traversing
Undercarriage is able to traverse along the track layout all through the perimeter of the building or the designated area. This function is one of the basics in order to reach properly every front face of the facade.



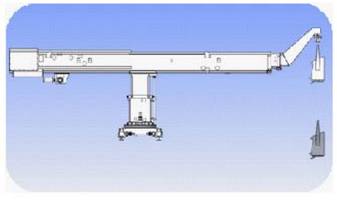
Turnable balancer
One of the most useful devices. It helps the cradle to be completely align with front face of the facade. Normally used on corners and angled facades or in parking position to fold cradle along the track.



Slewing
This function is responsible for rotating the unit along the vertical axis in order to reach areas on different angle.

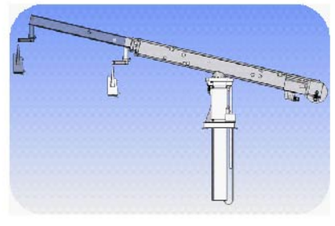


Luffing
Gives possibility to go over parapet or any kind of wall. It also allows to control outreach by bringing the jib up and down to a certain angle.



Hoisting
It is the most important movement which appears on every building maintenance unit.This function allows cradle to go up and down along the whole height of the facade.

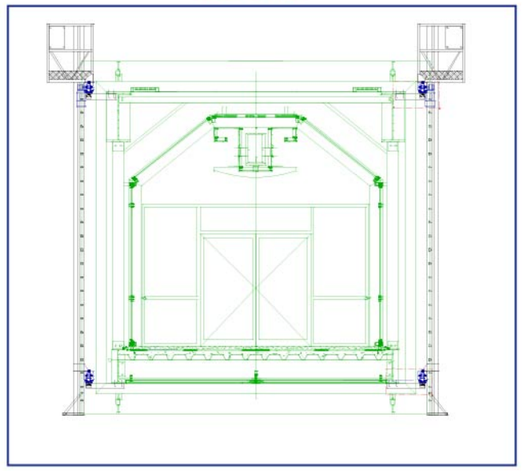
Telescopic column
Gives possibility to rise up and down the jib as many meters as required, in order to reach higher placed areas, go through a low roof or lower machine at parking position.



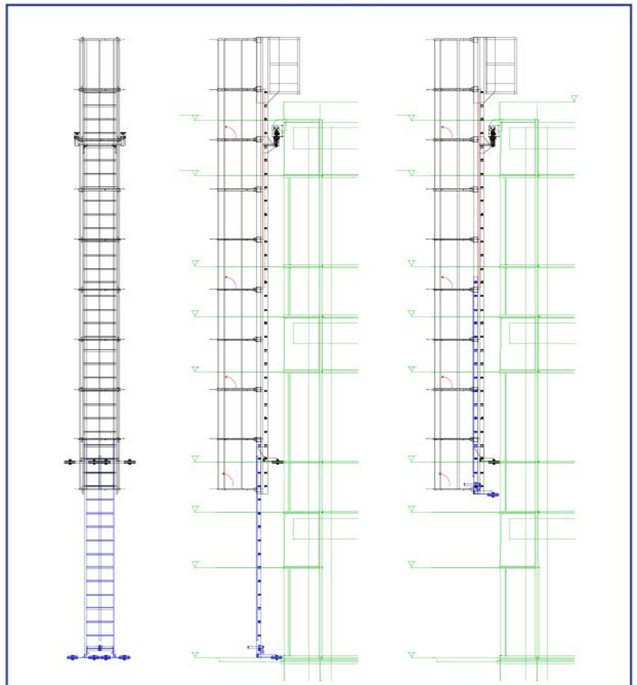
Telescopic jib
Is one of the most complicated movements in building maintenance units. The horizontal telescopic extension allows to reach the front face of façade which is far from machine (adjust the distance between machine and the facade). This option is also very useful to minimize size of the machine at parking position.

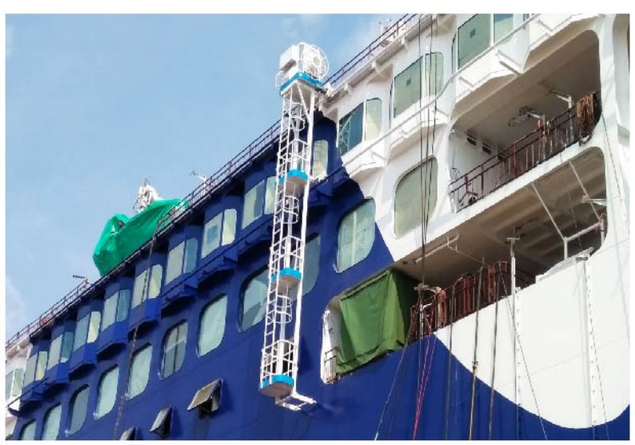
Travelling ladders

TL001

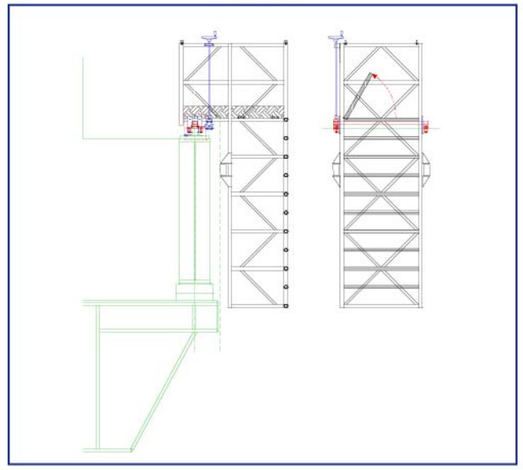


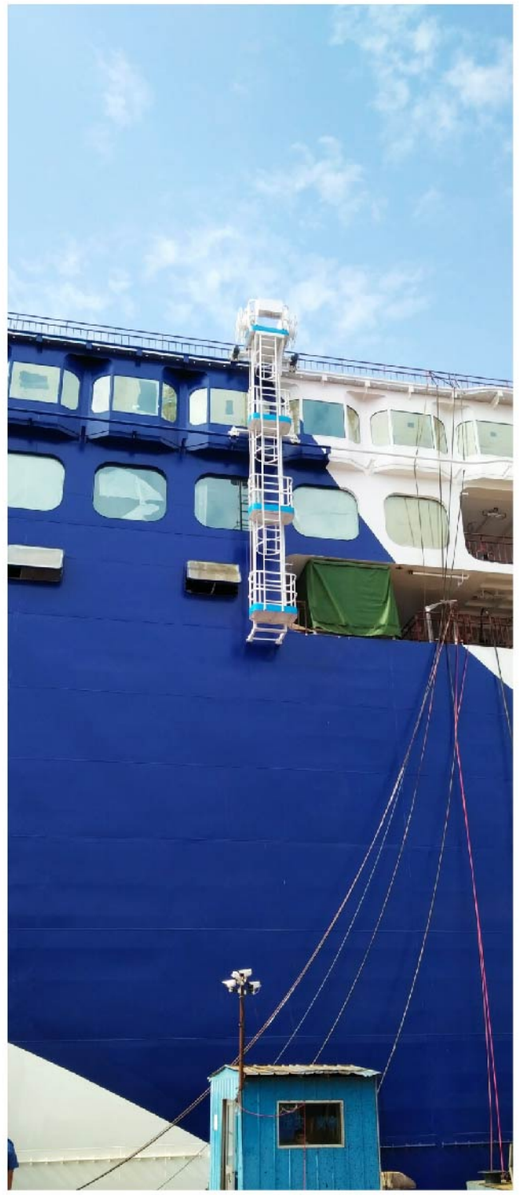
TL002





TL003





SERVICE LIFTS
For wind turbine tower

POWERSTON

Increase the profitability of your wind power plant with a service lift from POWERSTON.

Save time when ascending to carry out maintenance and repair work to your turbine. With a POWERSTON service lift you can complete a 100 metre ascent in approx. 5 minutes. Heavy tools and loads up to 400 kg can be transported comfortably with a POWERSTON service lift, and all this with automatic transport, which does not take up the costly time of your personnel for the ascent.

It is well proven, that wind power plants with an integrated ascent system have a higher level of availability and that the quality of your turbine maintenance will increase enormously.

- Powerful and reliable electric motor
- Sturdy housing
- Connection for limit switches to restrict the travel path
- Integrated, and precisely-functioning, electromechanical limiter for lifting force
- Ergonomic emergency-stop hand wheel for emergency operation
- Option of integrated electronic safety-snatch detection
- Ergonomic single-lever operation

...Economical

...Comfortable

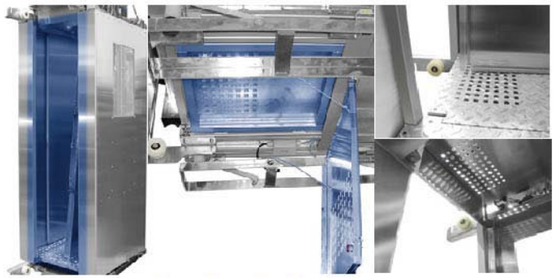
...One fits all

Powerful Motor

Safety door switch

Technical data*	A	B	C	D
Type	SL-300A rope guided	SL-400A rope guided	SL-300B ladder guided	SL-400B ladder guided
Door	Single sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system
Drive**	POWERSTON 600 electric wire rope hoist, tensile force 600 kg, 400 V/ 50/60 Hz	POWERSTON 800 electric wire rope hoist, tensile force 800 kg, 400 V/ 50/60 Hz	POWERSTON 600 electric wire rope hoist, tensile force 600 kg, 400 V/ 50/60 Hz	POWERSTON 800 electric wire rope hoist, tensile force 800 kg, 400 V/ 50/60 Hz
Payload / weight-bearing capacity	300 kg = 	400 kg = 	300 kg = 	400 kg = 
	300 kg = 	400 kg = 	300 kg = 	400 kg = 
Speed	10.8 m/min / 12 m/min 50 Hz 60 Hz	10.8 m/min / 12 m/min 50 Hz 60 Hz	10.8 m/min / 12 m/min 50 Hz 60 Hz	10.8 m/min / 12 m/min 50 Hz 60 Hz
Dimensions L***/W/H (mm)	1080 / 630 / approx. 3000	800 / 1080 / approx. 3000	900 / 800 / 3000 900 / 950 / 3000 900 / 1100 / 3000	900 / 1100 / approx. 3000
Weight (kg)	190	220	220 / 230 / 240	250
To get on				

* Other dimensions on request ** Other voltages on request *** L = width of the door side



Ground and roof access passage

Cable and platform guides

Ladder guides