

Corporate Presentation

WATSOND GROUP

Specialized in designing and
manufacturing aerial work equipment,
integrating construction, installation,
and after-sales service.

**PRECISION SAFETY ENGINEERING
EXCELLENCE AND INTEGRITY**



watsond.com



About Us



International company with resources for the export trade to worldwide. After many years working in different international markets, a group of professionals with an accumulated experience of more than 30 years decided to create an international services company with a broad spectrum of activity.

Our customers service and support is our goal. Thus was Watsonde Europe

The company counts among its professional engineers, marketing and law graduates. All of them with experience in different markets that are able to provide the service or product that you or your company may need.



Organizational Chart

— About our origin

Watsond Technology Group was originally established in Wuxi and Hong Kong (China), as a manufacturer for Temporary Suspended Platform and Steel Structure more than 20 years. Since 2013, we are only focus on the all types of building maintenance unit and we count with offices and factory in Spain **Watsond Europe**.

We have successfully delivered more than 1000 products of various types; all is customized and delivery worldwide.



Watsond Europe **Factory**

Our factory in Europe, has now more than 35 years dedicated to the manufacturing and repairing of Standard Form-works (Wall and Ceiling) as well as special ones (Tunnels, Bridges, Channels and Shoring Towers), together with BMU or GONDOLAS as well of metallic structures for constructions and railway poles for catenaries (Conventional and High Speed).

Our capacity and long-term experience has been proved in many Spanish and International representative projects worldwide, **Europe, America, Asia**, etc.



Watsond Europe **Factory**

Our factory has over **15.000 m²** located in Madrid,
the capital city of Spain, distributed in:

1.500 m²

Offices

5.800 m²

Main Manufacturing Facility

8.200 m²

*Covered Facilities for Cleaning, Repairing, Painting,
Carpenter Shop, Stockyards, etc*

Existing **Machinery**

- | | |
|---|--|
| 5 Tower Cranes:
3x6,3 Tn; 1x3,2 Tn; y 1x2,5 Tn | 1 Mechanical Press 250 Tn |
| 15 Manual Hoists x 500 Kg | 1 Shears Machine:
3 length up to 10 mm thickness |
| 4 Forklifts x 3000 kg | 2 Tubes Automatic Cutting
Machines |
| 2 Robot Welding Installations | 3 Conventional Cutting Machines
for profiles |
| 1 CNC folding machine
3,5 m length, 160 Tn | 1 Hydraulic Press for Testing
purposes: 450 tons |
| 1 Eccentric Press with pneumatic
clutch 100 Tn | 14 MIG-MAG semi-automatic
welding machines |
| 5 Eccentric Presses with
pneumatic clutch 60, 50, 40,
30, 25 Tn | 1 Complete die-stamping facility |

WATSOND

WATSONDGROUP
—Redefining access engineering worldwide—

CORPORATE PRESENTATION

Watsond Europe **Factory**



HUMAN RESOURCES

We believe in the people and in their own initiative and personal responsibility

We encourage personal growth and work on the development of competences through in-house training programs. Only in this way we can give the highest guarantee of quality to our customers.

With a factory and office team over 100 people we assure our products are delivered on time.



RESEARCH AND DEVELOPMENT:

The group **Watsond**, has its own R&D department for the development of new projects of metallic structures and machinery. The R&D activity is concentrated mainly in the optimization of the Customers' BMUs and GONDOLAS Design, the manufacturing process of our Machines, and the Formwork Maintenance Machines.

Watsond Europe **Factory**

ENGINEERING CAPABILITIES

With a team of high experience senior engineers, we are capable to offer our partners and customers the following services:

Conversion of hydraulic BMU to electromechanical through the Smart Eco-motion Kit

- New Machine
- Retrofit

BMU's knuckle jib design

Complete engineering from the offer plan of a BMU

- Calculations, manufacturing drawings, bills of materials
- Definition FAT test and tests according to BS EN1808, OSHA 1910.66, AS1418 1-2002 (Australian Standards), ASME A120. A-2014
- Assembly and commissioning manual

Complete engineering of any machine element

Calculation and simulations

- Static and dynamic
- Linear and non-linear
- Modal, resonance harmonic, rotodynamic
- Vibrations, impacts
- Motion Analysis. Structural calculation, BIM modelling and video renderings
- Collision analysis through complete building and machine models

QUALITY & CERTIFICATES

Here at WATSOND®, we not only think of quality assurance and safety when we design and manufacture our products.

Our goal is to achieve the highest degree of customer satisfaction, for which reason we intensely work on aspects, such as product quality, test on factory, with a “direct line” to our clients, communications with supplies and after-sales services that guarantee continuity and total guarantee of our products.

We will make every effort to manage company activities and resources as processes, in order to attain the expected results.



RANGE OF PRODUCTS AND SERVICES

Our range of products are always customized so don't hesitate to ask for anything special you can need, in any of our access solutions:



CONSTRUCTION HOISTS AND SCAFFOLDING

All kind of solutions for construction business



MARINES CRANES

End-to-end services for marine cranes, tailored to diverse vessel types and offshore operation needs



MAINTENANCE AND SPARE PARTS

Maintenance and service worldwide



ALL ACCESS SYSTEMS

Building Maintenance Units, Gantries, Selfpowered Cradles, Davits, Temporary hoist, Safety lines...



CONSTRUCTION ACCESS

Mast climbers and construction hoists for safe and efficient construction site operations



DRONES

Cutting-edge drone technology for building maintenance and solar panel inspections



ENGINEERING SERVICES AND CONSULTING

Our engineering resources ready to support you in your projects

BMU Model W2 (Double Jib)

Standard equipment with 2 jibs. This has great possibilities to include accessories, such as devices for protecting, auxiliary hoists, large platforms, etc.



BMU Model W1 (Single Jib Small)

AVAILABLE OPTIONS:

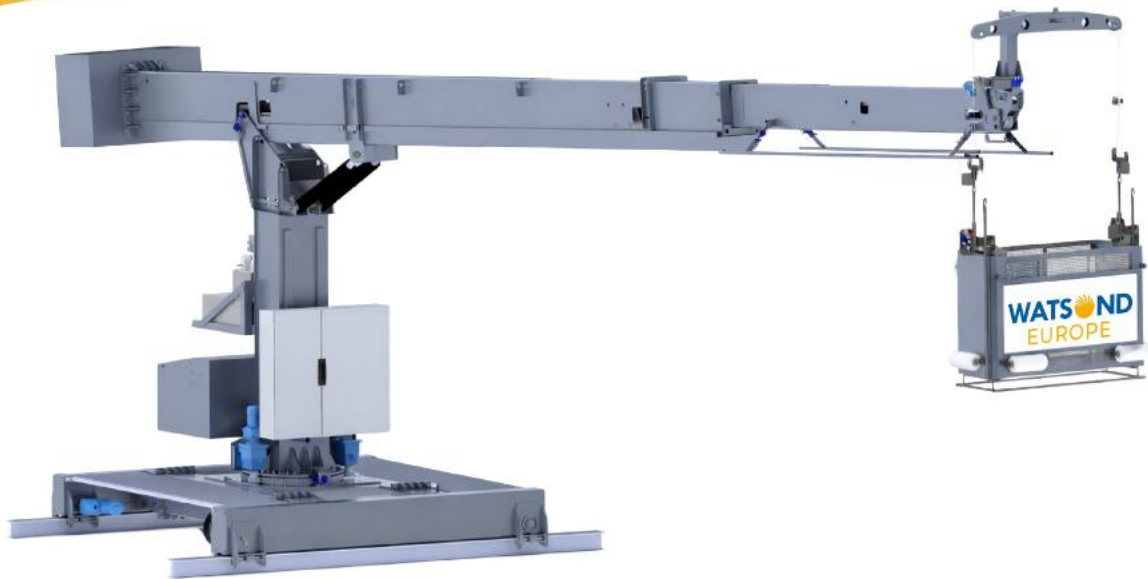
- Slewing rings
- Spreader bar
- Luffing system
- Approach system for recess on façade
- Special design of the body for narrow areas
- Anemometers
- Auxiliary hoist system (to change windows or lifting loads on roof)
- Communication (phone) between body and platform
- Communication Control through the suspension wire ropes
- Restraint system for buildings of more than 40 meters high
- Water tanks
- Vulkolans wheels or Steel wheels



BMU Model W1 (Single Jib Big)

This unit is high performance single jib. The unit could be equipped with slewing jib and spreader bar.

It incorporates any kind of accessory or additional auxiliary load device.



BMU Model W1 (Single Jib Big)

AVAILABLE OPTIONS:

- Slewing rings
- Spreader bar
- Luffing system
- Approach system for recess on façade
- Special design of the body for narrow areas
- Anemometers
- Auxiliary hoist system (to change windows or lifting loads on roof)
- Communication (phone) between body and platform
- Communication Control through the suspension wire ropes
- Restraint system for buildings of more than 40 meters high
- Water tanks
- Vulkolans wheels or Steel wheels

BMU Model WT (Telescopic Jib)

Standard equipment with telescopic jib.

This equipment has great possibilities to include accessories, such as devices for protecting, auxiliary hoists, large platforms, etc.



BMU Model WT (Telescopic Jib)

AVAILABLE OPTIONS:

- Slewing rings
- Spreader bar
- Luffing system
- Approach system for recess on façade
- Special design of the body for narrow areas
- Anemometers
- Auxiliary hoist system (to change windows or lifting loads on roof)
- Communication (phone) between body and platform
- Communication Control through the suspension wire ropes
- Restraint system for buildings of more than 40 meters high
- Water tanks
- Vulkolans wheels or Steel wheels



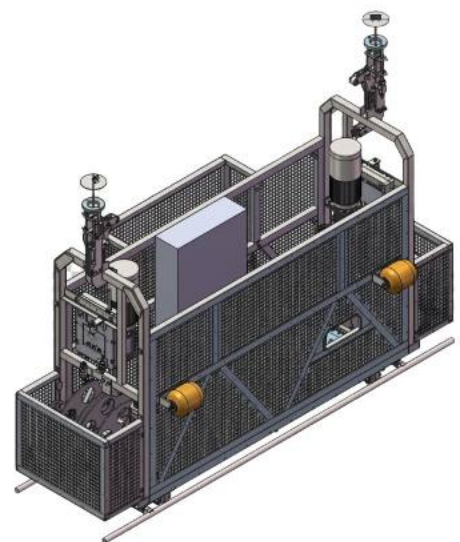
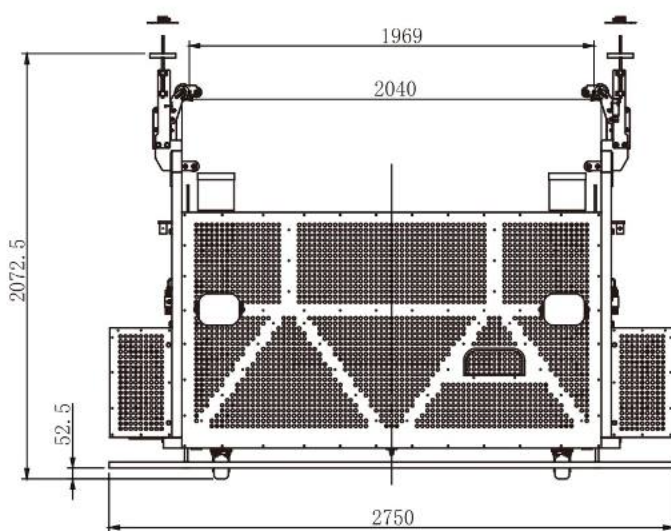
BMU Model WP (Self Powered Cradle)

Self powered cradle is an economical and perfect solution that it allow to be integrate into the building design. Is the best solution for buildings that cannot support a BMU unit or for buildings that roof access is complicated.

This system consisting on rail track which is installed around the building or in the areas where is required access. The system is supported by galvanized steel brackets which are fixed to the building façade.

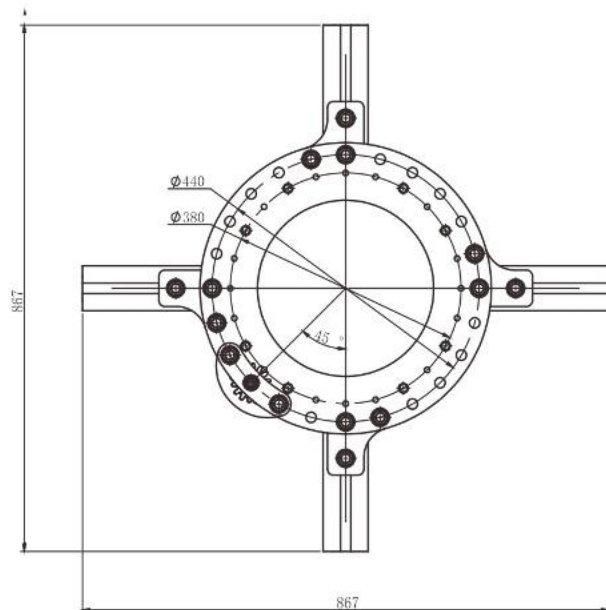
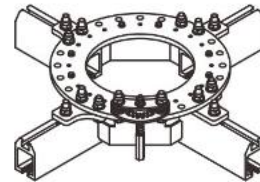
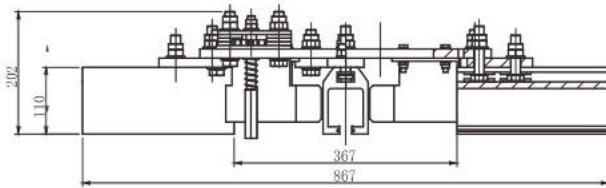
AVAILABLE OPTIONS:

- Restraint system for buildings of more than 40 meters high
- Auxiliary hoist system (to change windows or lifting loads on roof)
- Anemometers
- Water tanks



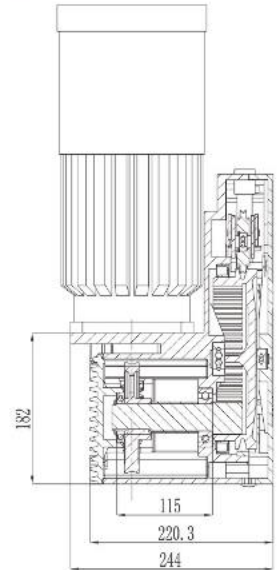
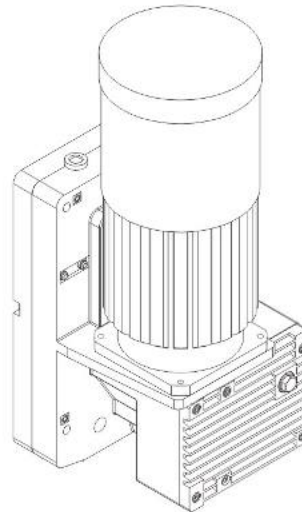
BMU Model WP (Self Powered Cradle)

Hoists for self powered cradles



BMU Model WP (Self Powered Cradle)

Hoists for self powered cradles

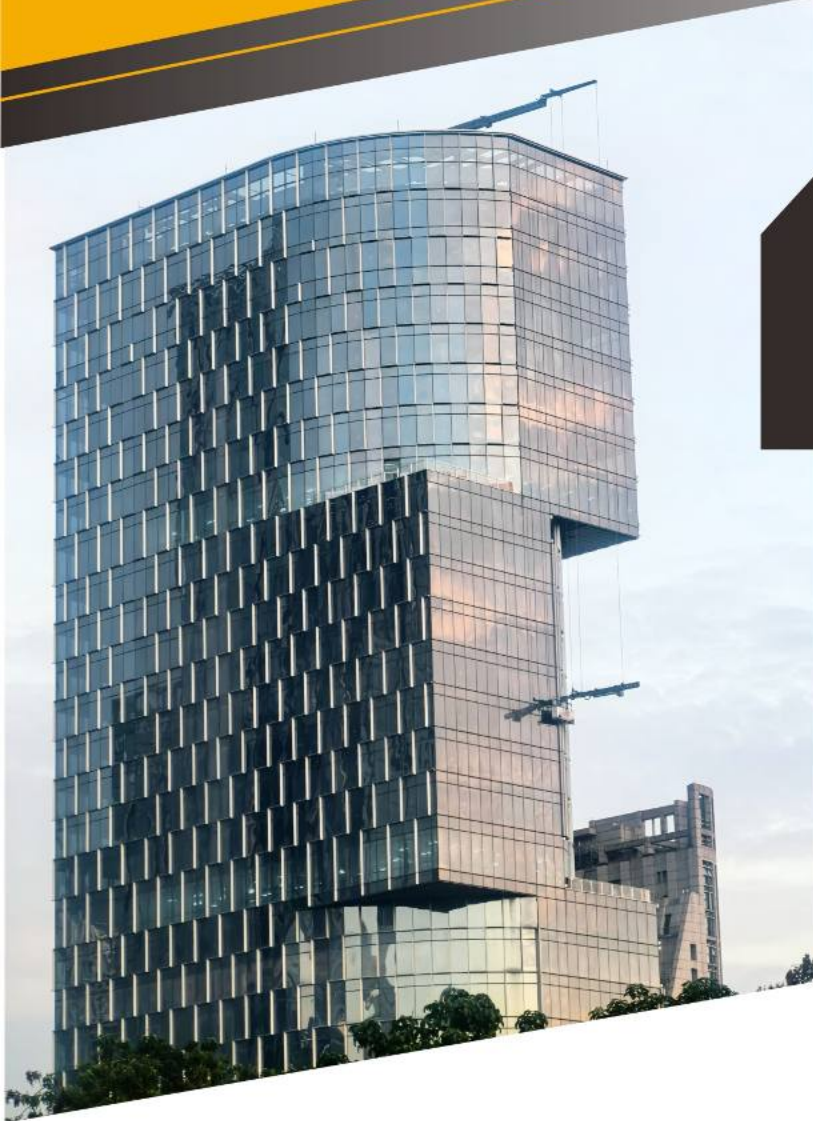


MODEL	ZLP250	ZLP500	ZLP630	ZLP800	ZLP1000
Material	Steel Power Painting Hot Galvanized Aluminum Alloy				
Colour	Yellow Blue Red Green Silver Custom Made				
Lifting Height	100M				
Rated Load	250kg	500kg	630kg	800kg	1000kg
Platform Size	1.2M	5M	6M	7.5M	7.5M
Hoist	LTD630 a Type			LTD800	LTD80 S
Power	1.5KW*1	1.5KW*2		1.8KW*2	2.2KW*2
Voltage	380V 220V 415V				
Frequency	50HZ/60HZ				
Phase	3 Phase Single Phase				
Safety Lock	Anti Tiling LSB30				
Cable	100 m				
Wire Rope	8.3MM			8.3/9.1MM	8.6MM
Suspension Mechanism	Standard Type: Front overhang - 1.3 ~ 1.5m, Support adjustable height - 1.44 ~ 2.14m Optional Type: Parapet				
Counterweight	1000kg Standard Cement (Optional: Iron casting Steel Cover)				

Special Solutions



Our engineers are capable to find the best way to Access every point in the building façades. This also include special pantographic solutions



Special Solutions

Self Power Elevator for Wind Turbines



Trolleys

The roof trolley is used in conjunction with a self powered cradle or suspended platform. It is the perfect solution for the most complex buildings. Trolley do not have any hoist system inside their housing. When you are using a trolley on the roof of a building you need a self-powered cradle.

The roof trolley is traversing on racks which can be bent according to the building shape.

AVAILABLE OPTIONS:

- Steel wheels or vulkolan wheels



Gantries - Ladders

Our gantries are designed for cleaning and maintenance atriums, skylights, vaults, and others kinds of surfaces.

This system can be adjusted to the shape of the roof.

Gantry can be used inside and outside as well as in combination with a self powered cradle or other options, allowing easy and safe access.

AVAILABLE OPTIONS:

- Auxiliary hoist system (to change windows or lifting loads on roof)

Temporary

DAVITS and TEMPORARY ACCESS SYSTEMS

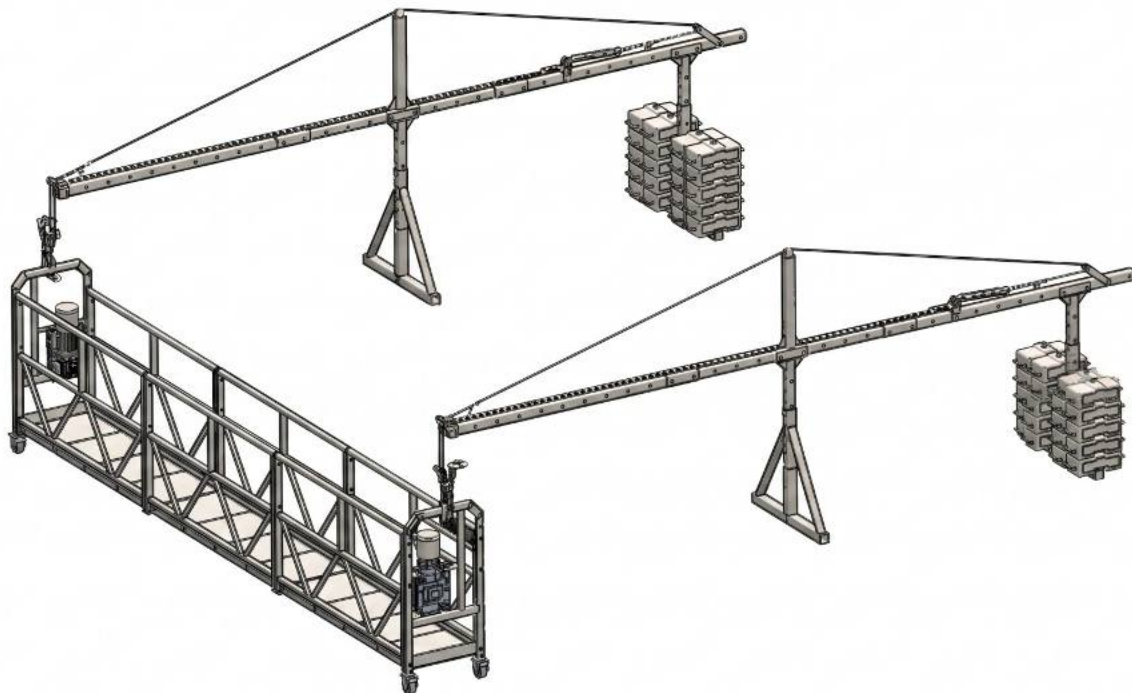
A davit is any of structural arms devices used for supporting, raising, and lowering equipment.

Some buildings require permanent exterior Building Maintenance Systems such as davits and davit bases to access exterior elevations for window cleaning and building maintenance.



Temporary

DAVITS and TEMPORARY ACCESS SYSTEMS



Safety Lines



WATSOND designs, engineers and manufactures height safety equipment:

- Roof Anchors
- Horizontal Lifelines
- Vertical Lifelines
- Overhead Systems
- Rail Systems
- Permanent Ladders
- Personal Protection Equipment
- Self Retracting Lifelines
- Temporary Roof Anchors
- Platforms and Walkways





OUR EXPERTISE covers also the Electronics, Hydraulic and Pneumatic Equipment and Installations, so OUR COMPANY can become the KEY SUPPLIER or partner for main customer projects.



Manufacturing

FORMWORK AND SCAFFOLDING



With the same Certified Manual and Robotized Processes, our factory produce components for mast-climbing platforms, hoists and lifts.



Mast-Climbing

FORMWORK AND SCAFFOLDING

Mast Climbing Work Platform

The mast climbing work platform is a versatile solution for lifting personnel and materials to the required working height.

The work platform can be used on either a mobile chassis or base frame, making it suitable for bricklaying, curtain walling, insulation and window installation and the handling of heavy or cumbersome materials.

AVAILABLE OPTIONS:

- Single mast or twin mast





For different Formwork Panels Maintenance: capable of making the Disassembly and Cleaning of different types of Plywood and complete Formwork Panels with different sizes.



**Design and Manufacturing of
Automatic Machines**

FORMWORK AND SCAFFOLDING

Building Hoist

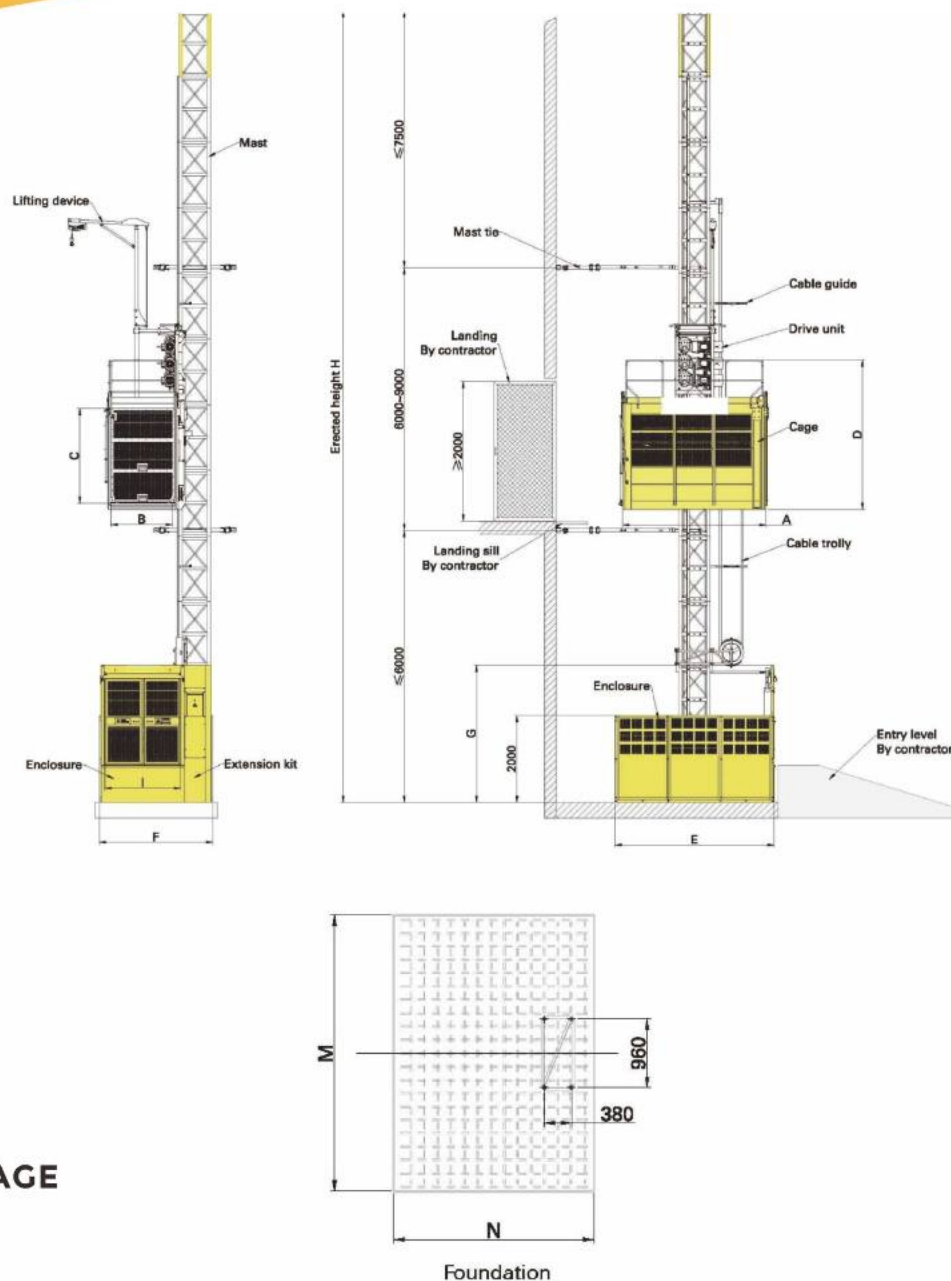
WATSOND offers high speed hoists designed for passenger and material transport on construction sites. With VFD motor control, available in single cage or double cage version.



Building Hoist

AVAILABLE OPTIONS:

- Single cage or double cage

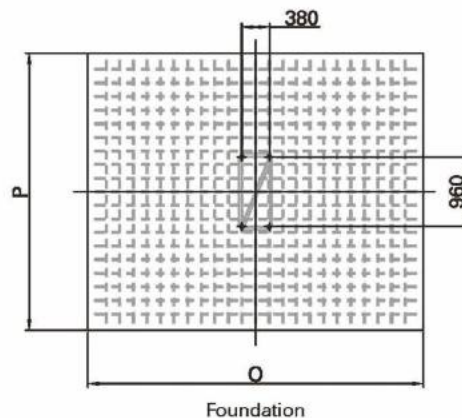
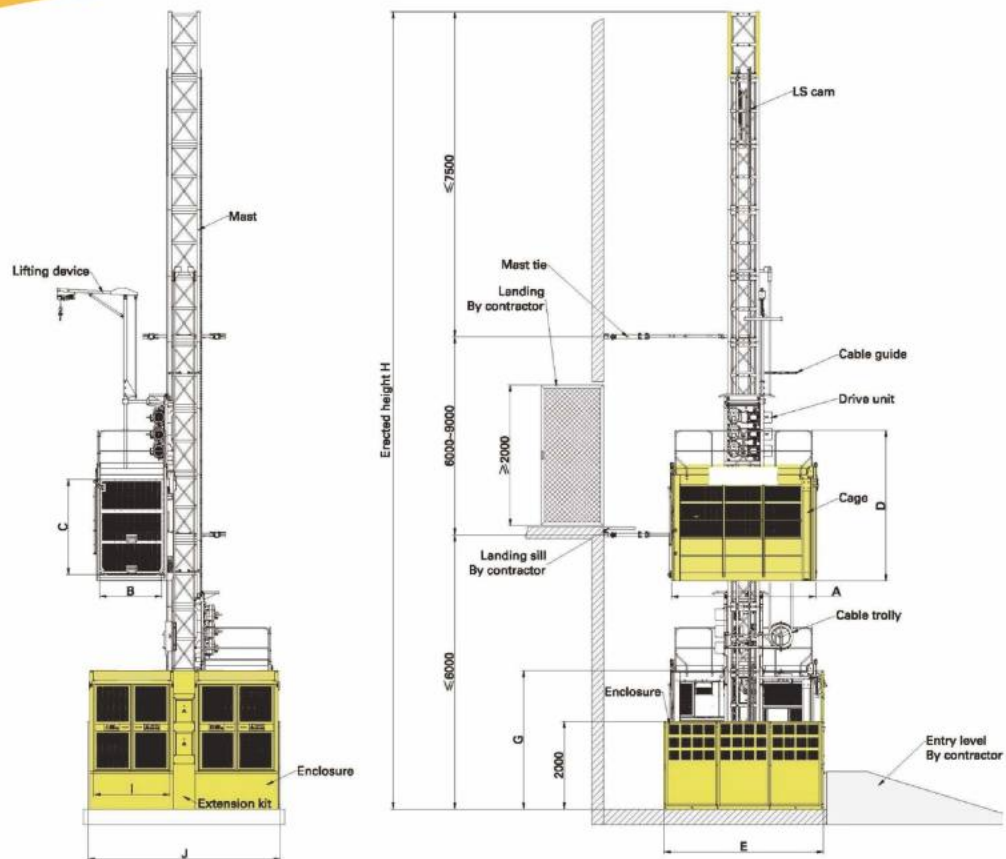


SINGLE CAGE

Building Hoist

AVAILABLE OPTIONS:

- Single cage or double cage



DOUBLE CAGE

Building Hoist

Rack & Pinion Passenger/Material Hoist

Without counterweight, available in single or twin cages. The hoist includes complete electrical and mechanical safety features.

AVAILABLE OPTIONS:

- Single cage or twin cages
- Slide Wire Power Supply (Optional)



— Watsond Marine Cranes

Watsond Marine Crane Technology Co., Ltd. takes pride in being a professional enterprise dedicated to marine crane solutions, integrating advanced engineering expertise with reliable manufacturing capabilities to serve global maritime industries. With an unwavering focus on safety, performance, and customer-centric innovation, we provide end-to-end services for marine cranes—from customized design and precision manufacturing to installation, maintenance, and technical support.



—Watsond Marine Cranes

Our core strengths lie in:

Marine Cranes (Primary Product)

A full range of solutions including deck cranes, stern cranes, offshore lifting cranes, and hydraulic telescopic cranes, tailored to diverse vessel types and offshore operation needs.

Customized Engineering

Bespoke design and modification of marine cranes based on specific vessel parameters, load requirements, and operational environments, adhering to international maritime standards.

After-Sales Support

Global service network offering timely spare parts supply, on-site maintenance, and technical training to maximize equipment uptime.

Compliance & Certification

We can provide product certificates from major classification societies including CCS, BV, ABS, DNV, LR, RINA, KR, RS, among others, ensuring all products comply with international safety and operational norms.

Quality Manufacturing

Rigorous production processes and material selection to ensure corrosion resistance, high durability, and stable performance in harsh marine conditions.

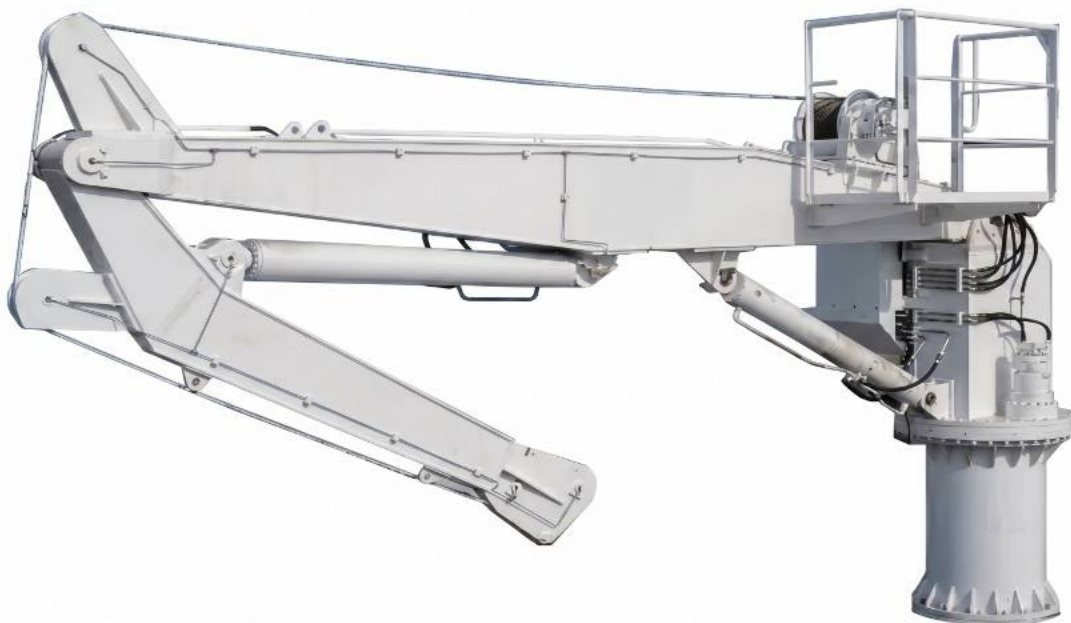
At Watsond Marine Crane Technology Co., Ltd., we are committed to **elevating maritime lifting efficiency** through specialized expertise and reliable solutions. We don't just produce marine cranes—we empower seamless and safe offshore operations.



Marine Crane

Knuckle Boom Crane

This crane is hydraulically driven, maximum capacity is 500T-M. The control can be either manual or wireless remote control. All hydraulic components used are from internationally renowned brand.



Marine Crane

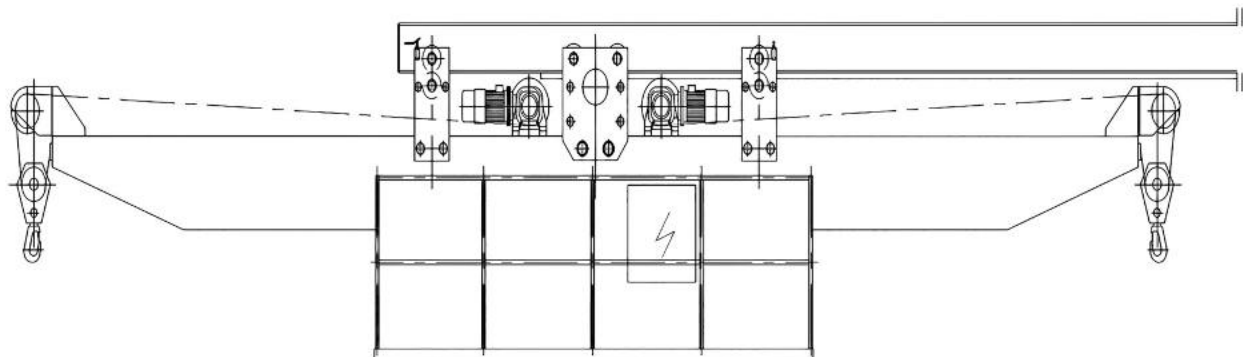
Hydraulic Telescopic & Knuckle Crane

This crane is hydraulically driven. The control can be either manual or wireless remote control. All hydraulic components used are from internationally renowned brand.



Cargo Crane Movement Crane

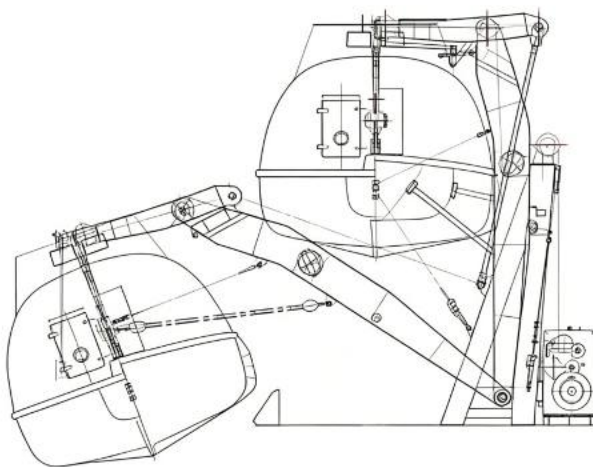
This is a railed overhead crane, with safe working load of 1T, 2T, 3T, 4T, 5T. It can be operated by wired or wireless remote control. It comes with overload alarm. Electrical components are from Siemens or Schneider. It can be custom made to suit customer requirements.



Boat Davit

Connecting Rod Type Life Boat Davit

This davit is suitable to be used on deck with height limitation. It satisfied SOLAS, MSC and IMO regulations, able to safely launch lifeboat under the adverse condition of 20° list and 10° trim.

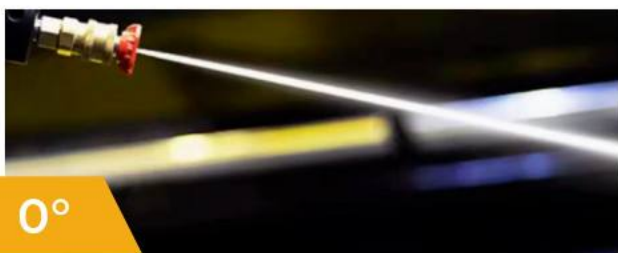


MODEL	SWL kN
LPLG70	70
LPLG100	100
LPLG150	150
LPLG190	190

Multi-functional Washing UAV

They're drones designed for efficient cleaning in the air, high-altitude unmanned safe operations, as well as multi-scenario applications.

They can be adapted to two different cleaning mounts, with fixed and oscillating nozzles, and 4 different angles of nozzles designed to meet various cleaning needs. It can be widely used in building facades, photovoltaic panels, insulator strings, towers and other high-altitude cleaning scenarios.



0°

High jet pressure for flushing crevices, stubborn stains, etc



15°

15° fan-shaped water jet for quick rinsing of stains



25°

Fan-shaped water discharge, rapid rinsing of sand and soil, higher efficiency



40°

Fan for rinsing large areas after spraying detergent

Drones





MAINTENANCE & SPARE PARTS

Maintenance

WATSOND makes its technical and human capacity available to its clients to perform maintenance services: the best method of extending the life of your equipment's. Maintenance Services means routine maintenance, repair and replacement of existing facilities, structures, BMU or mast climbing.



Report

Following a detailed written report with photos of areas that need to be fixed, we can set up annual or semi-annual agreements, or per project contracts to ensure your BMU's longevity is maintained.



Customer service

24 hours - 365 days



Inspection

We recommend a full inspection to all of our clients to survey the equipment's of their roofs.



Certificate

We send our certified staff to complete the service to your satisfaction.



Spare Parts

BMU maintenance requires appropriate and adequate spare parts to replace existing parts on a regular basis. Management of spare parts is seen as an important criterion to ensure the efficiency of scheduled maintenance.

The purpose of WATSOND is to offer the best solutions of spare parts and reduce the maintenance cost performance for our clients.



Global Presence

The **Watsond Group** has its own factories and offices located worldwide to provide the best service, quality and price to our valued customers



WATSOND
CHINA

WATSOND
EUROPE

WATSOND
NORTH AMERICA llc

WATSOND
CONSTRUCTION
ACCESS

WATSOND
MARINE CRANES

SETIA
— INDUSTRIAL EUROPE —

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EXCELLENCE AND INTEGRITY