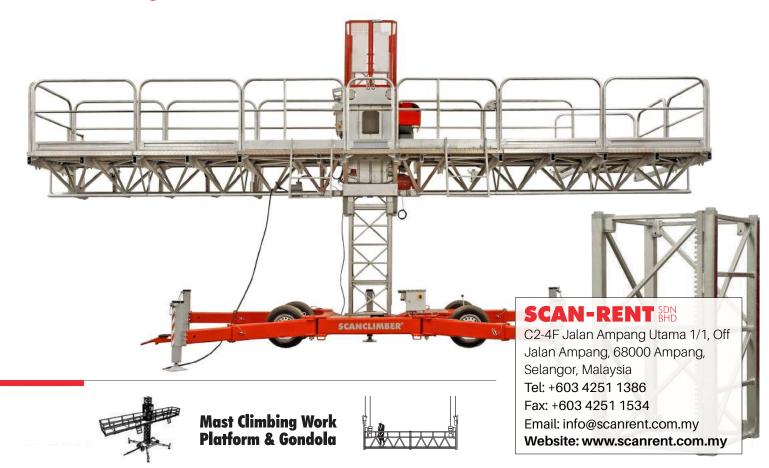




Providing Smart Verticle Access Work Platforms



INSIDE THIS REPORT

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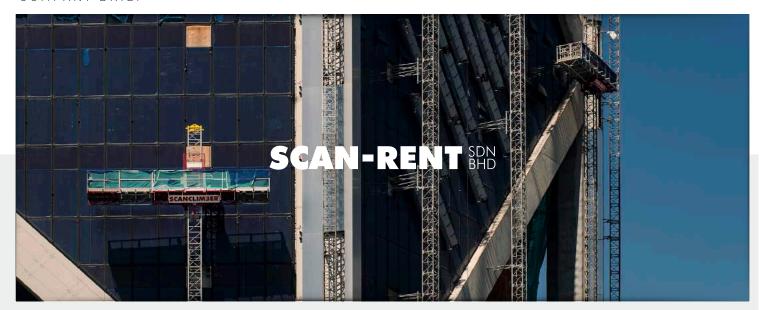












Scan-Rent Sdn Bhd is one of Malaysia's largest access hire companies, supplying SCANCLIMBER Mastclimbing Work Platform and SCANCLIMBER Personnel, Material and Construction Hoist. Scan-Rent Sdn Bhd's latest products are MAEDA Mini Crawler Cranes from Japan and Fixator Aluminium Suspended Platforms (Gondola) and Cradles from France.

Scan-Rent Sdn Bhd was established in 1996 as a joint venture between JEKS Engineering Sdn Bhd, Norwest Industries Sdn Bhd and TEAM KW Sdn Bhd, who are well-known contractors through-out the construction industries in Malaysia.

Scan-Rent's main activity is the rental of Scanclimber Mastclimbing Work Platform, Material and Passenger Hoist, Mini Crawler Crane and Gondola. "Scanclimber" is a registered trademark of Scanclimber Oy (Finland) and "Maeda" is a registered trademark of Maeda Seisakusho Co. Ltd. (Japan). "Fixator" machines are originally from France and Scan-Rent Sdn Bhd represents Fixator Asia (Gondola) in Malaysia.

Besides machine rentals, Scan-Rent Sdn Bhd offers full back up services including machine installation & dismantling, supervisory services, machine maintenance services, project analysis and special SCANCLIMBER engineering drawings and calculations.

Scanclimber Oy (principal company of SCANCLIMBER) has over 40 years of experience in manufacturing mast climbing work platforms and personnel & material hoists. Scanclimber Oy has manufactured more than 7000 machines and exported them around the world till to-date. The corporate head office of Scaninter Nokia Ltd is situated in Pirkkala, Finland and manufacturing plant Scanclimber Sp. Z.o.o. is situated in Gniezno, Poland.

Fixator Asia (principal manufacturer of Aluminium Suspended Platforms (Gondola) and Cradles) was set up in February 2005 Shanghai, China and serves the whole Asia Pacific region under the managements of French and Chinese. Fixator Asia offers a wide range of hoists which are used in the construction industry like wind turbines, storage tanks, silos, lift shafts and so on. The company is well-known on Asian markets and is involved in world-famous projects.

Maeda Sesakusho Co. Ltd. (principal manufacturer of MAEDA Mini Crawler Cranes) was establishes in Nagano city 1960. Maeda Cranes Company started to manufacture cranes in 1968. The mini-crawler crane which was sold for the first time in 1980 had one model (1.5 ton class) only. However now, making the best use of technical knowledge as a crane manufacturer Maeda Seisakusho created the high quality cranes of which function and safety are superior.







VISION

- To be the best technical solutions and support provider to our clients
- To implement the best safety products and standard for a safe working environment to clients and employees
- To be the Number 1 Company in delivery success for an efficient maintenance and technical support services
- To provide the best and conducive working environment for our Employees
- To continuously growing as a profitable Group through business partnership and international cooperation.



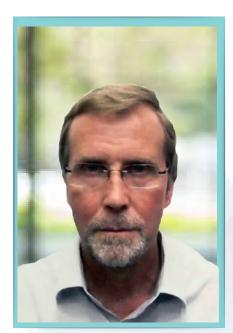
MISSION

Providing a customer focused service excellence by Scan-Rent professional technical management and team to enhance Clients' work efficiency and profitability









Mr. Jari Silventoinen CEO / Director

As the founder and director of the Scan-Rent Group of Companies, Jari has more than 30 years of experience across various multinationals. He is also the Managing Director for JEKS Engineering, JEKS Trading, Precast Products and has held various senior management positions in Finland, Singapore, Australia, Indonesiam India and Malaysia.

A civil Engineer by profession, he holds Masters of Sc degree in Civil Engineering from Helsinki University of Technology.



Mr. Janne HaapalainenGeneral Manager

Janne has more than 10 years of experience from multiple business areas ranging from Europe to South-East Asia, East Asia and Australia. He Spent 3 years with Stratad Sdn Bhd as a Business Development Manager. Subsequently, he joined Scan-Rent Group of Companies as Regional Sales & Marketing Manager and was promoted to General Manager. He is also a Director to the Malaysia-Finnish Business Council for the past 6 years.

He has vast experience in the area of technology transfer, consulting, sales & marketing and advisor to the Oil & Gas industry.

He holds a Master Degree in Business Administration from University Teknologi Malaysia and Bachelor Degree in Business Administration from North-Savo Polytechnic Finland.







Name of the company: Scan-Rent Sdn Bhd

Company registration number: 408835-A

Date of establishment: 4th of November 1996

Registered address: Penthouse Wisma RKT

2, Jalan Raja Abdullah Off Jalan Sultan Ismail

50300 Kuala Lumpur, MALAYSIA

Business address: C2-4F, Jalan Ampang Utama 1/1

Off Jalan Ampang, 68000 Ampang

Selangor, MALAYSIA

Telephone number: +603-4251 1386

Fax number: +603-4251 1534

Website: www.scanrent.com.my

Board of Directors: Mr. Jari Erkki Kalervo Silventoinen

Mr. Michael Khor Loke Chong

Bankers: United Overseas Bank (Malaysia) Bhd –

Medan Pasar Branch

CIMB Islamic Bank Bhd - Jalan Imbi Branch

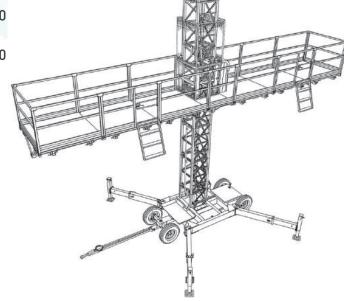
Auditors: RSM Malaysia

Secretaries: Quest Secretarial Services Sdn Bhd

Authorized capital: RM 5,000,000.00

Paid-up capital: RM 1,950,000.00











Why Choose Us?



Efficiency

Increases efficiency and productivity by providing faster project completion time



Cost Saving

It provides cost savings in labour and operations



Fast Installation

Fast installation and dismantling An efficient time saving solution



Advanced Design

It combines hoist and work platform into one unit

Can be used as escape hoist/access in case of emergency (ERP - Emergency Response Plan)



Safety

It has advanced design with safety features that deliver safe working solutions

Safe and easier to operate thus minimizing mishaps



Scan-Rent Sdn Bhd is Malaysia's leading provider of Mast Climbing Work Platforms specialising in access equipment rental solutions for medium to high-rise structures since 1996. We were the first company in Malaysia to introduce Scanclimber Mast Climbing Work Platforms which are certified with EU Safety Standard, EU ISO 9001 and JKKP/DOSH approval. All equipment is manufactured and installed with efficiency and safety in mind.



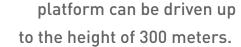
MAST CLIMBING WORK PLATFORMS

KOSMOS SC4000 Kosmos SC4000 is a medium-weight mast climbing work platform.

It is the perfect tool for any facade

work that requires light or mid-class

capacity, whether for new construction or restoration.
With a load capacity of up to 4200 kg and a climbing rate of 6 meters per minute, the













Kosmos SC4000

Properties

A RACK AND PINION DRIVEN Kosmos SC4000 mast climbing work platform is a medium-weight lifting machine and working platform – all in one package. Kosmos is designed for projects up to a height of 300 meters. With the standard installation the maximum height is 100 meters, but when special arrange-

ments are used the mast height can be increased up to 300 meters in height.

SC4000 FEATURES TWO MODELS that offer different levels of performance to accommodate unique project needs and budget considerations. The platform can be configured as a single or twin mast machine which improves the ability to conform to an extensive range of building shapes.

STARTING FROM 4.2 METERS the single mast Kosmos can grow up to 13.7 meters in length. With two masts the platform length can be extended up to 31.4 meters. A single mast version of the SC4000 has a top capacity of 2000 kg. With a twin hinge set the single mast machine can be converted to a twin mast version, which can carry payloads up to 4200 kg.

Multi-Use

KOSMOS COMBINES LOW OWNERSHIP COSTS

with versatility, reliability, and safety. It is the ideal access solution for a wide variety of trades: glazing, EIFS, painting,

roofing, caulking, restoration, inspection, cleaning,

maintenance, etc.
It is suitable for
either new
construction or
restoration.
Compact and
highly adaptable,
the SC4000 offers
platform extensions
to achieve number of
configurations that
accommodate vari-

ous facades.

Technological Excellence

KOSMOS' 1.6-METER WIDE PLATFORM provides enough space for workers to perform their job in comfort. Building facades are becoming more and more diverse and constrained, which has been challenging mast climber manufacturers. The Kosmos'

modular structure allows lots of different set-ups. There is also a wide variety of accessories available that enables the platform to be aligned with different architectural configurations and shapes of the work site.

High Speed Reduces Set-Up Time

with a climbing rate of 6 meters per minute, the Scanclimber Kosmos is not only fast to climb up the mast, but it is also faster to set-up than the most other mast climbers. The reason is the very stable mast. It allows a maximum anchor space of 18 meters – which is 30–50 % more than in rival products. All this contributes

to greater labour efficiency and reduced set-up time, and of course to a safer work environment.

Long Lifetime - More Profit

SCANCLIMBER HAS LONG LASTING QUALITY

built-in to its mast climbing work platforms. It is in the structure, raw materials, automated manufacturing processes and finishing.

For example the mast sections are precision-welded of high quality steel by robots and when ready they are finished with hot-dip galvanisation.

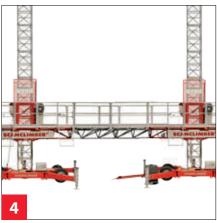
















Details

Safety Brake

A MECHANICAL, centrifugal safety brake is a standard feature on all Scanclimber mast climbing work platforms. It improves user safety, increases operational reliability and reduces the risk of breakdown. The safety brake is protected from dust and dirt.

Chassis

THE SC4000 IS AVAILABLE with a wheel or mini chassis. An SC4000 with a wheel chassis can be moved around a work site with its own electric motor, or it can also be towed using the tow bar. The wheel chassis has swivelling, telescopic outriggers that can be adjusted in several positions to support the machine. The outriggers allow the machine, standing on the wheel chassis, to be erected without anchoring. With optimal outrigger positions the largest free-standing height is 15 m.

ast Climbing Work

Extensions

WITH ADJUSTABLE EXTENSIONS the platform width can be extended by maximum 2.4 m. With the extensions the work behind or around different kinds of corners and gaps can be done easily and safely. The extensions are available in three sizes: 0-1.4 m, 0-2.0 m and 0-2.4 m.

Automatic Levelling System

THE TWIN VERSION of Kosmos comes with an automatic levelling system. This highly reliable system controls the platform drive precisely and ensures that the platform is always horizontally levelled.

Emergency Lowering System

KOSMOS CAN BE MANUALLY OPERATED without power to lower the platform to the ground level. This is a safety feature and is incorporated to provide a means of returning the platform in the event of a power failure.

Anchor

THE MAST IS ANCHORED to the wall with strong and durable anchors. The standard anchor type for the SC4000 is a tube type fixed with couplers which allows a maximum anchor spacing of 12.5 m. It is easy to install with standard tools and fits various configurations. If longer anchor spaces are needed, the Scanclimber's Maxianchor can be used. Maxianchor is stronger and allows the anchor spacing to be increased up to 18 m.



THE MAST SECTION is completely hot-dip galvanised. Its height is 1.25 meters and it weighs 82 kg. The mast, assembled from sections, is supported on the wall at maximum intervals of 18 meters.







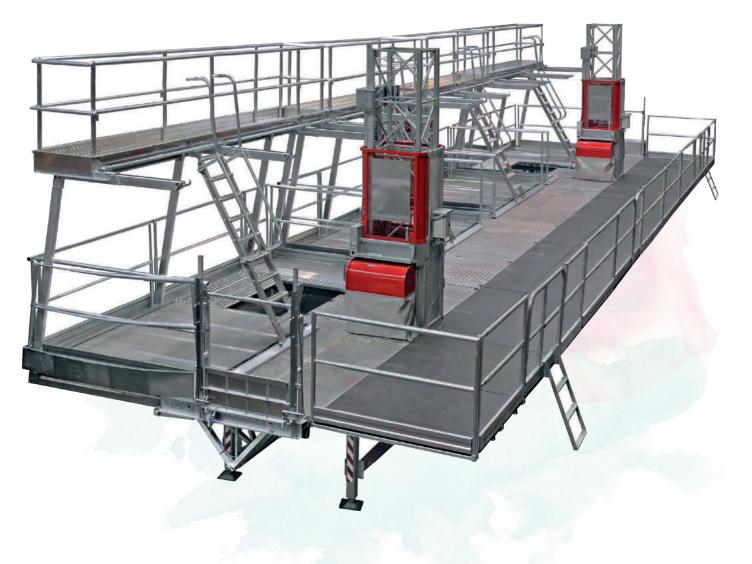
A double-decker is a

MAST CLIMBING WORK PLATFORMS

DOUBLE

vehicle that has two levels for passengers or cargo, one deck above the other.

Scanclimber's Double-Decker is a new Mast Climbing Work Platform (MCWP) expansion which is available for SC8000 MCWP. It is fully compatible with masts and other parts and components on Scanclimber's standard platforms.





Double-Decker

General

THE SCANCLIMBER DOUBLE-DECKER expansion transforms the standard mast climbing work platform to a dynamically aligning platform that makes it easier and quicker to perform surface work on rounded, curved and arched surfaces. It moves up and down naturally, like any other platform but it also moves horizontally in two levels, with several outreaching decks.

Two platform levels, several independently moving decks

THE SC DOUBLE-DECKER is a unique platform with two working levels fixed one on top of the other. Both platform levels consist of one to many independent and horizontal, back and forth sliding platform decks (modules). The number of decks is a dynamic factory option; this implies that the customer can decide the number of moving decks before ordering the product.

Suitability

THE DOUBLE-DECKER PLATFORM is well suited for work on different types of 3 dimensional complex surfaces, like in construction and shipbuilding or similar industries where there is a need to work on facades or high horizontal surfaces with protruding obstructions.

Deck reach Ship THE UPPER DECK LEVEL is 2.1 m above the lower deck. The lower level platform decks can slide 2.0 m outwards from the standard platform and the upper level deck modules can move 36 cm outwards and 1.0 m inwards compared to the movement of the lower level decks. (See picture) 35° Lower level decks move by electric motors THE MOVEMENT OF THE LOWER LEVEL platform modules is controlled by an electronic drive unit using the pendant remote control. There is a separate motor for every deck module. The upper level platform modules are moved manually by a wrench.

Modularity

levels can be manufactured according to customer need from 1.6 meters to the entire length of the platform. The number of decks is typically considered to vary between 2 to 6 decks per platform. The Double-Decker expansion is available on Scanclimber's MCWP model SC8000. The MCWP can be installed in one position and moved both vertically and horizontally during the work process.

THE WIDTH OF THE DECK MODULES on both platform





SCAN-RENT SPN Mast climbing work platform







Example case: Shipyard, Germany

SHIPYARD APPLIES the Double-Decker to vessel and ship surface/painting work. They are using the free standing twin, the SC8000 MCWP construction, which reaches a height of 20.7 meters without anchoring. The vessel can be painted from top to bottom at full length of the platform once a Double-Decker is erected. One Double-Decker that shipyard is using has a total of 8 separately movable decks.

THE DOUBLE-DECKER IS DRIVEN up and down, carrying men, painting pumps and some light cargo. The men carry out ship painting from the upper and lower platforms freely. Once the platform is erected, which takes considerably less time as compared to assembling scaffolding on the vessel, the whole vessel can be painted from

THIS IS POSSIBLE SINCE EACH of the decks on both platform levels can be moved independently and aligned to the vessel's complex 3D surface, regardless of the height at which the platform is positioned, thus enabling painting work on the vessel. The ship can be accessed and painted quick and easy, without any obstructions or unnecessary running up

WITHOUT MOVING THE PLATFORM, the maximum horizontal surface overhang can be 2.2 meters on one side.

and down on the scaffolding.

Fitness

THE DOUBLE-DECKER fits nicely into Scanclimber's product range. It offers new opportunities of application and usage to existing customers, who can use our products in ways that are both versatile and productive. It also serves Scanclimber in its applicability to cater to new businesses, like shipbuilding (as explained in the example above). Since the product can also be used with one platform, it offers construction/rental businesses with dynamically adjustable horizontal positioning possibilities.





MAST CLIMBING WORK PLATFORMS

'ALL REACH **EXTENSION**

Scanclimber's All Reach Extension (ARE) provides
access from Mast Climbing Work Platforms
(MCWP) into complex structures.
ARE is an out-reaching mast climber extension

that can move along the platform, glide in and out from the main platform and can slew for places where you have to reach uneven facades and the most complex structures.

90 degrees. All Reach Extension is designed





All Reach Extension

General

THE SCANCLIMBER ALL REACH EXTENSION (ARE) is a versatile expansion for standard mast climbing work platforms, that helps you access places otherwise unreachable.

ARE IS LIKE A 'FREELY' MOVING DIAGONAL PLATFORM on the main platform, that not only slides in and out more than 5 meters, but also slides along the platform and slews by 90 degrees.

IT CONVERTS THE STANDARD MCWP into a dynamically-aligning, high-reach access machine that makes it easier and quicker to perform work on very complex or uneven surfaces.

 ability to adjust the platform position, reach and angle steplessly whilst in the air and in complete safety

 outside reach up to 5.5 meters from the main platform edge

the narrow extension can slew <u>+</u>45°

 access inside the structure

 provides high reach access on buildings/ structures with pillars, masts cavities, cone shapes and offsets

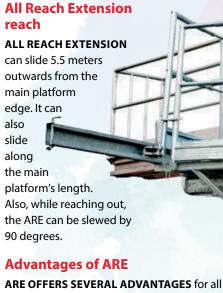
 robust design, materials and manufacture allows freedom of use in demanding/harsh conditions.

Compatibility

THE ALL REACH EXTENSION fits into the Scanclimber MCWP product range. It is fully compatible with existing SC5000, SC6000 and SC8000 products. It offers new application and use opportunities to existing customers, who can use our products in ways that are both versatile and productive.

Dimensions and payload

ARE CAN CARRY a payload of 2 persons with tools = $2 \times 120 \text{ kg} = 240 \text{ kg}$. It is 700 mm wide and 7 meters long.



users of Scanclimber MCWPs since expansion is available for Scanclimber's MCWP models. Once you have an ARE, it can be installed on any MCWPs you

have.







250-meter high

Moscow City

Complex and

towers of

several cooling

power plants.

WEGA H65H

CONSTRUCTION HOIST

The Scanclimber Wega H65H is a well established, heavy-duty construction hoist concept, and your reliable choice for vertical transportation of goods and people. Since its launch in 2004, the Scanclimber Wega H65H has been at numerous sites around the world. Wega has been in use for example, at the Eiffel Tower, the Parliament House of Denmark, the





SCAN-RENT SDN Mast climbing work platform

Introduction

THE H65H PERSONNEL AND MATERIAL HOIST family offers a heavy-duty, flexible and upgradable transport system for materials and people, with a spacious hoist cage up to a lifting height of 300 m.

THE ROBUST H65H MAST SYSTEM stands on a stable ground station and is easily assembled with the help of auxiliary crane or by hand with an optional mast assembly crane.

WEGA'S MODULAR STRUCTURE provides reliability, long-life, flexibility, safety, productivity, low energy consumption and low cost of ownership, making it a profitable investment for construction and rental companies.

WITH A LOAD CAPACITY up to 3200 kg and maximum lifting speed of 90 m/min, Wega has already proved itself as a productive machine in various building sites around the world.

Wega Configurations

WEGA'S MODULAR SYSTEM allows you to choose the required configuration with special features and attributes. Later on the selected configuration can be adapted to different applications using relatively few modules and components. The hoist family offers different cage sizes, speed options and payload capacities. Additionally, there is a wide variety of landing gates, doors and mast anchoring systems.

WEGA'S LIFTING CAPACITIES for single cage

models are: 2000 kg, 2500 kg or 3200 kg and the speed options are: normal speed 36 m/min, mid-speed 54 m/min and high speed 90 m/min. The cage is available in two length options: 3.2 m or 3.7 m. If the space or capacity of one cage is not enough, you can double them using a twin cage version. The same payload can be loaded into two cages, which means the greatest payload is 6400 kg.

High Speed Reduces Set Up Time

with a climbing rate of up to 90 meters per minute, the Scanclimber Wega is not only fast to ascend, but it is also faster to set up than most other hoists on the market. The reason is the stabile mast. Wega's rigid mast allows a maximum anchoring distance of 21 meters. All this contributes to greater labour efficiency and reduced set-up time and of course, to a safer work environment.

SPECIAL CONDITIONS on construction sites and different fields of application require flexible and applicable height access technology. In order to be one step ahead of the developments on global markets, Scanclimber is constantly working to improve and modify its products.

Callability and Computer Control

ONE OF THE ADVANTAGES in H65H hoists is callability. It means that the hoist can be called to a specific landing level like a normal lift. In high or busy work sites it is usual that the normal callability and manual landing access management is not enough and more sophistication is needed. To solve this, Scanclimber offers a more intelligent, computer controlled landing access management system. It is also known as a programmable logic controller (PLC). Hoist users can ask it to drive to a specific floor. In case of several calls from various floors

specific floor. In case of several calls from various floors at the same time, the computer optimizes the hoist's travelling and stops.







SCAN-RENT SDN Mast climbing work platform













Details

Safety brake

THE SAFETY BRAKE ensures that even in a complete breakdown of the drive unit the cage will not fall down. A mechanical, spring-loaded safety brake is a standard safety feature in all Wega models. It improves the safety and reliability of the hoist in everyday use. The safety brake is well protected from dirt and dust and is practically maintenance-free.

Cage

STANDARD CAGES are available in two sizes: 32 = (3.2 m x 1.5 m) or 37 = (3.7 m x 1.5 m). Doors can be assembled on one or every side of the cage. The front door (A) and the back door (B) are 1.5 m wide and the side door (C) offers a wider 2.6 m door opening for bigger materials.

Ramp

ANDING LEVEL ACCESS is normally arranged with the B door. To make the access and hoist erecting easier the door can be equipped with manually or hydraulically operated ramp. The length of the ramp is 820 mm.

Ground Station

WEGA'S LIGHTER GROUND STATION is bolted on to a concrete or similar slab and the handedness can be freely chosen. Also a heavy ground station is available which stands on its own outriggers and needs only a hard, flat ground base. The standard ground station is equipped with one (A) door but the back door (B) and the wider side door (C) are optionally available.

Landing Gates and Doors

WEGA'S LANDING GATES and doors are compatible with all H65H hoist models. The gates and doors are reliable, flexible and can be adjusted to different kinds of structural conditions. All the gates and doors are equipped with an interlocking system and they meet the requirements of the current Machinery Directive and Personnel and Material hoist standard.

More Power, Less Power Consumption

THE SCANCLIMBER WEGA H65H is always equipped with a frequency controller (FC). It provides very smooth starting and stopping with low starting current and less wear and tear.



Mast

WEGA'S MAST SECTIONS are hotdip galvanised which ensures their long lifetime. One section is 1.5 m tall and weighs only 138 kg. The mast is anchored to the wall with a maximum interval of 21 m.







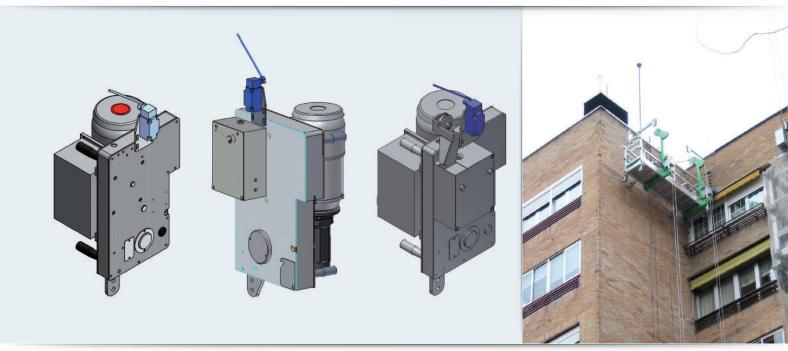
FIXATOR GONDALAS

ELECTRIC WINCH

e-LIFT 500 & e-LIFT 800

The e-Lift 500 & e-Lift 800 electric winch is specially designed to equip temporary suspended platforms cradles and flying seats







SCAN-RENT SDN Mast climbing work platform

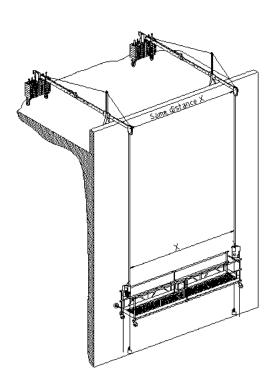
Introduction

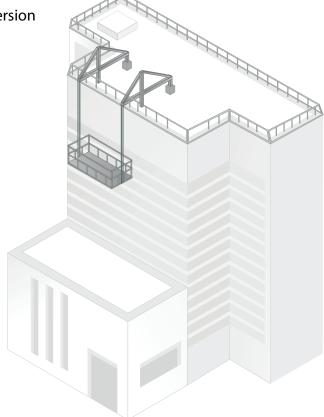
Fixator Gondolas is a personnel lifting gondola with electric winch aluminium suspended platform from France, but manufactured in Shanghai, China proven safety in all situation, simple maintenance, sturdiness, lightness and ease of use. It is one of the top trusted brand in the world; ie. Europe, China, Malaysia, Singapore and Australia

Advantages of Electric Winch e-Lift 500 & e-Lift 800

- Easy to setup and install that the system is made to adapt personnel and equipment lifting
- Adjustable platform length between 3 meters (min) to 8 meters (maximum)
- Customized extension basket to access narrow areas it is modular and telescopic
- Can be used on flat roof for the suspension of temporary suspended platforms, single cradles
- Available accessories such as caster wheels / façade pressure wheels
- Available in three phase and single phase
- Safe and easy to operate thus minimizing mishaps
- Personnel lifting winch with two wire-ropes (working and safety wire-ropes)
- Lifting / climbing speed is 9m/min (18m/mi on request)
- Safe lifting capacity is 500 kg / 800 kg
- Automatic wire rope passage
- Easy access to electrical and mechanical components
- Ergonomic handles
- Light weight and compact
- Reliable and fast installation
- Easy transport (built-in handles)













RESIDENSI FENNEL

The Fennel (also known as The Fennel @ Sentul East) is a development located in Sentul. The Fennel (also known as The Fennel @ Sentul East)



ILHAM BARU TOWER

Ilham Baru Towers is a skyscraper located at Jalan Binjai near the famous Jalan Ampang in Kuala Lumpur, Malaysia. The tower has 58 floors it is 275 metres (902 ft) tall. It was completed in 2015 and is the fifthtallest structure in Malaysia.



MENARA SHELL

Installation pecten. The pecten height is 6 metre, and the weight is 1.2 Tonnes. The building is 160 meters tall







PETRONAS FERTILIZER

Located near the town of Gurun in the northern state of Kedah Darul Aman in Malaysia





ULU JELAI HYDROELECTRIC DAM

The Ulu Jelai Power Station is a hydroelectric power station under construction in the district of Cameron Highlands, Pahang, Malaysia. It is one of the entry point projects under the Economic Transformation Programme.























IAPA Product of the Year Award; Double-Decker, 2018





RESIDENSI FENNEL



IAPA Project of the Year Award; IB Tower Kuala Lumpur, 2015





ILHAM BARU TOWER







SCAN-RENT SDN BHD

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Mast Climbing Work Platform & Gondola



















