



# FULL PROTECTION AGAINST FALL



# ANCHOR POINTS

**apave**

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English translation of the original

**CERTIFICATE OF CONFORMITY**  
N° AT5773804-1

**1. Applicant**  
Applicant: Mitor Hector AGUERRI  
Manufacturer: VECTAYA - Po. Industrial La Nave B-32 - 31900 Tafalla - Navarra - Espagne

**2. Equipment**  
Manufacturer: VECTAYA  
Reference: Bi shu anchor VECTASAFE VA01  
Type of anchor: anchor device NF EN 795 - A1 : 2000 Class A1

**3. Description**  
The Bi shu anchor VECTASAFE VA01 is aimed to be fixed onto horizontal or vertical surfaces by a system of 2 bolts M12.  
Detailed description in the technical sheet of "vectasafe shu anchor point" edited by VECTAYA.

**4. Referential**  
The Bi shu anchor VECTASAFE VA01 is tested according to the test procedure described in the European standard NF EN 795 - A1 : 2000 Class A, it means a dynamic test (fall of 2.5m of a mass of 100kg) and a static test (Hold the load of 10kN for 3 min) in the directions axial, radial and ceiling.  
The Bi shu anchor VECTASAFE VA01 is tested for a use by 2 persons, it means a second dynamic test (fall of 2.5m of a mass of 100kg with the first mass still suspended) and a static test (Hold the load of 11kN for 3 min) in the directions axial, radial and ceiling.

**5. Conclusion**  
The Bi shu anchor VECTASAFE VA01 has successfully passed the dynamic and static tests in the directions axial, radial and ceiling.  
The Bi shu anchor VECTASAFE VA01 conforms to the requirements of the European standard NF EN 795 - A1 : 2000 Class A and to the supplementary tests for a use by 2 persons. Detailed description in the report n° 5773804-001-1.

La 20 mai 2011  
Le Chef de Filet

*[Signature]*  
Sébastien GURIN

This certificate comprises 1 page. It is established in 2 original copies given to the applicant. No duplicate will be delivered.

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802840716 / 802840700 - Siret : 802840716 0001



**Akrobat Anchor Point** ensures the protection against fall from height for 1-2 people maximum.

It is used to protect the user during maintenance and cleaning.

### Technical features:

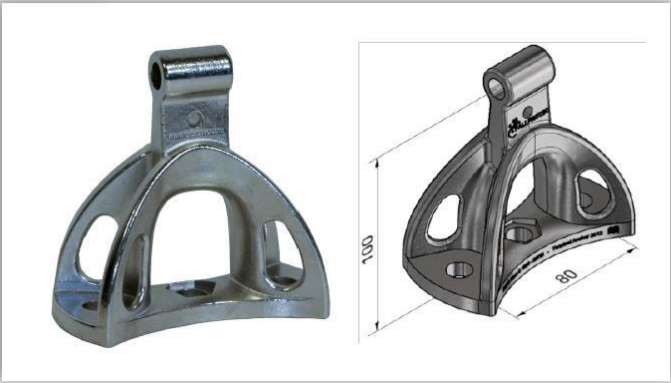
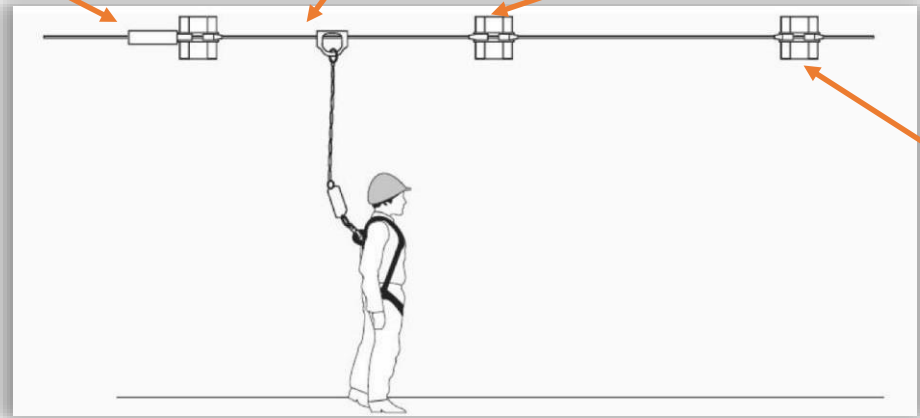
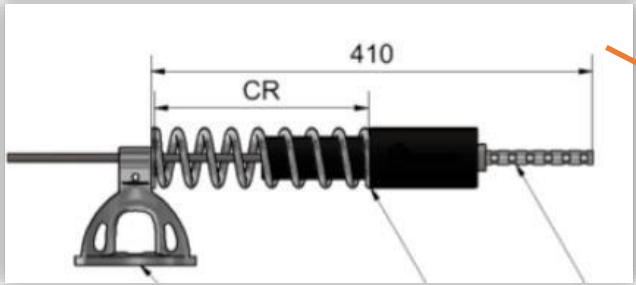
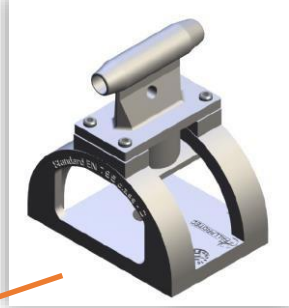
- Material: Aluminum alloy molded
- Coating: raw, Microbead or power coated (color)



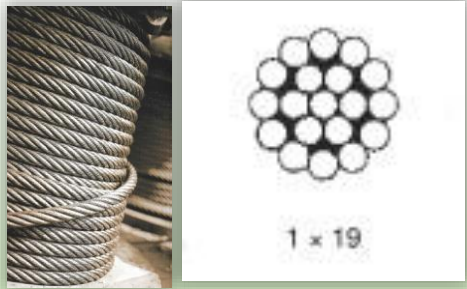
# HORIZONTAL LIFELINE SYSTEM

## AKROBAT Lifeline System

Limits structural loads to 10kN in the event of fall.  
1 to 4 workers  
EN 795 Class C



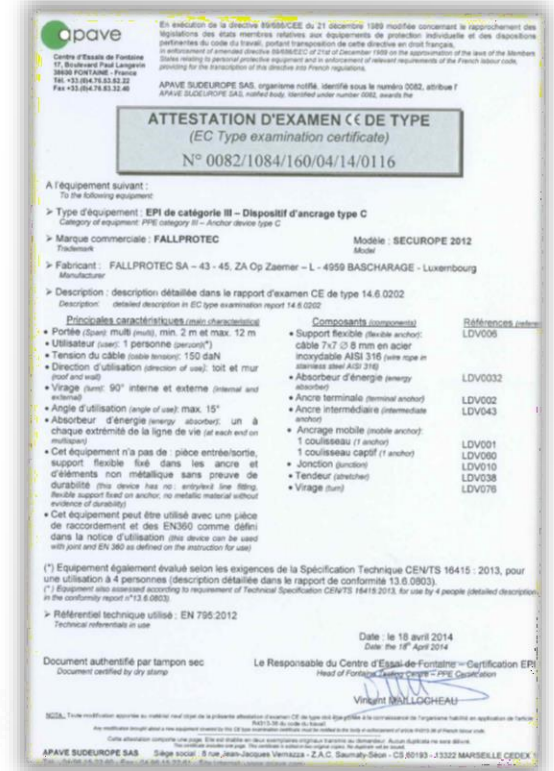
- The Akrobat lifeline comprises the following components:
- The mobile anchor or glider (one per use)
  - The cable
  - The intermediate brackets
  - Two end brackets



# TEST & CERTIFICATIONS

Our Fall arrest systems are  
EN certified  
and also retested locally.

EN 795 certification in FRANCE



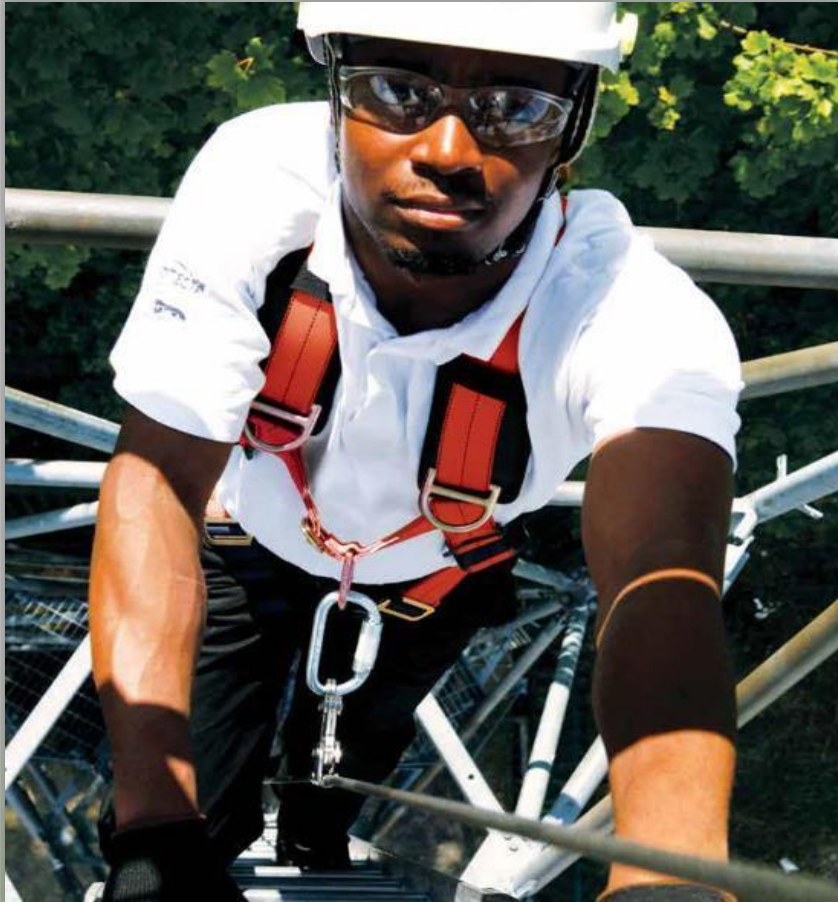
# LIFELINE SYSTEM

## INSTALLATION OF THE AKROBAT LIFELINE

- With spiders and clamps attachments.
- On metal structure bolt & and nut.
- On RC concrete fixed with chemical bolts.



# VERTICAL LIFELINE



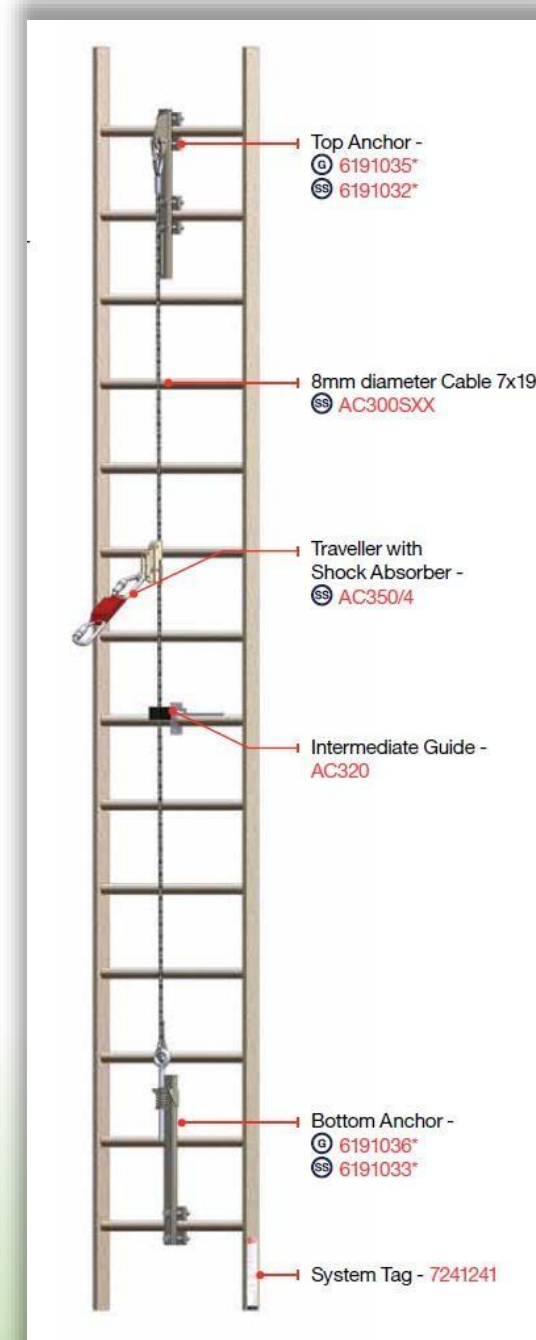
# VERTICAL LIFELINE

The vertical climbing system can be permanently installed to a ladder or other vertical structure that requires frequent access.

It provides a safe, functional and practical means of access and egress.

## Features:

- High quality materials with corrosion resistant finishes.
- System conforms with EN353-1 standards, and CE marked.
- Users can attach and detach at any point along the length of the system allowing easy access to platforms and adjacent work areas.
- Traveller automatically follows user and locks in event of a fall. Providing uninterrupted movement for the user during ascent and descent whilst maintaining complete safety.
- The cable is supported at 8 m intervals with intermediate cable guides which prevents adverse wind chatter and cable fretting.



# VERTICAL RAIL





# SAFETY RAIL

## Akrobat Rail to clean façade inside or outside

The proposed system can be used on both **abseiling** and **fall arrest** functions.

European product complying with **the EN 795 class D (rigid system)**

**It allows any work in suspension.**

The rail is made from anodized aluminum alloy Al Mg Si 0.5. This alloy is capable of withstanding a marine environment, and thanks to the anodized treatment no electrolytic corrosion will take place between the steel structure and the rail.

Moreover, it has a **very small dimension – 31 x 31mm** – make it very aesthetic since it can also be colored to match the façade

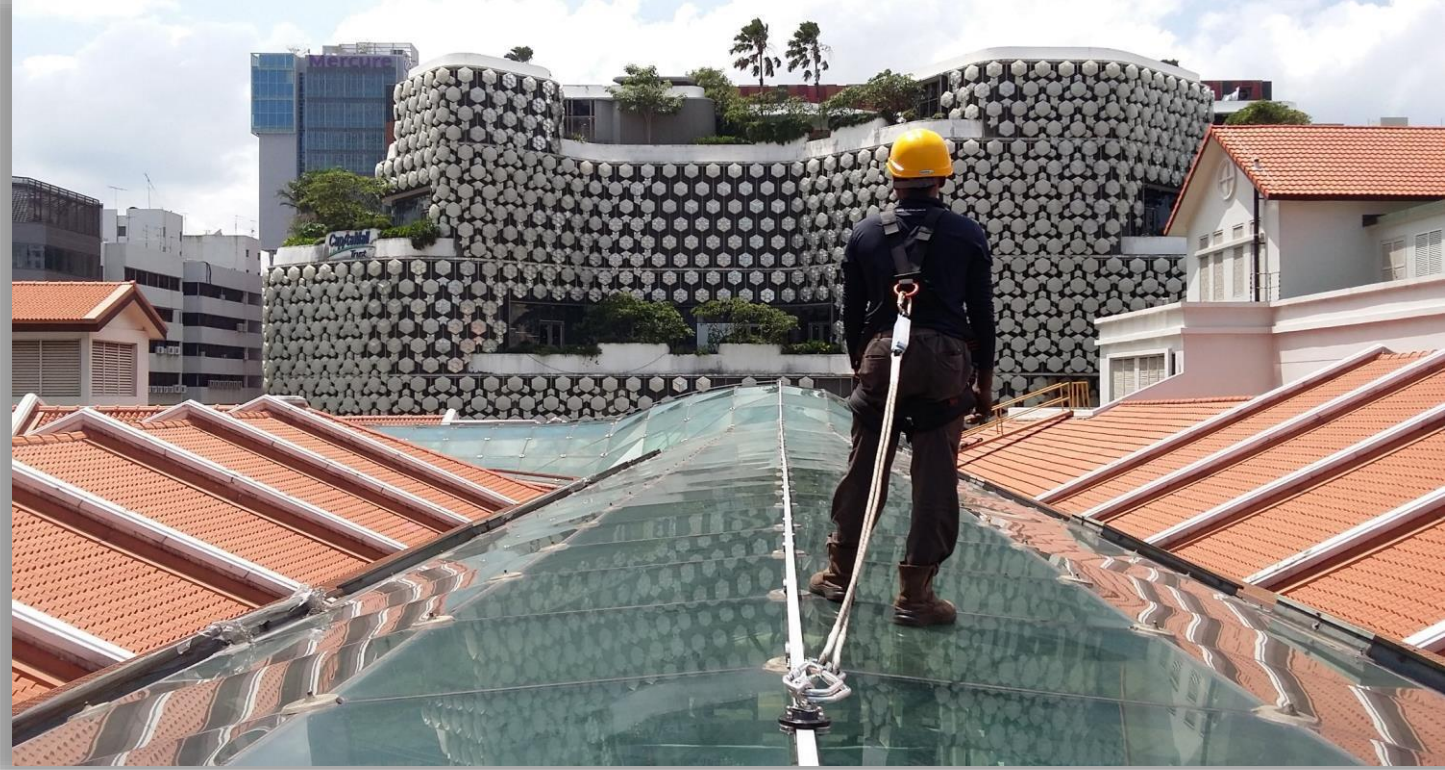
The rail system is designed to protect **1 to 7 maintenance workers** attached simultaneously on the rail, with a maximum of 2 persons on the same span

Connection onto the rail via a trolley, which is **free to move** along the line.



# SAFETY RAIL

BUGIS JUNCTION



# SAFETY RAIL

MARINA BAY SANDS



# GUARDRAIL

## AKROBAT – TOP FIXED GUARDRAIL

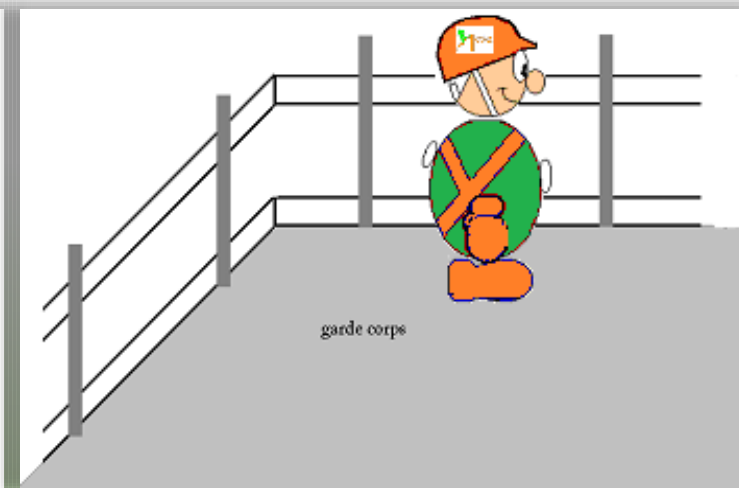
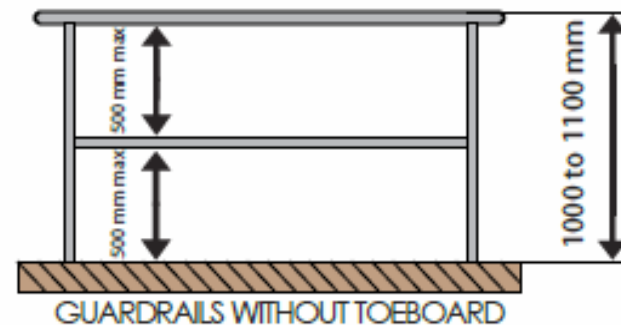
Akrobat Guardrail is a collective protection system against fall from height. It is best solution to provide safety terraces. It has designed for a simple and fast installation.

### Technical features:

- Material: Aluminum alloy molded
- Coating: raw, Microbead or power coated
- Horizontal Load: 30 dan/lm
- Max. Deflection under load: 18mm
- Adjustable handrail and middle rail angles
- Tubes with sinking nozzles which fit together
- EN 14 122-3 and NFE 85-015



### STANDARDS REMINDER :



# GUARDRAIL

SINGAPORE TAMPINES HUB



# GUARDRAIL

GOOGLE SINGAPORE - TOS

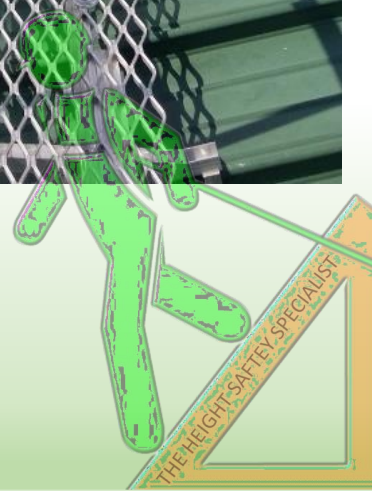
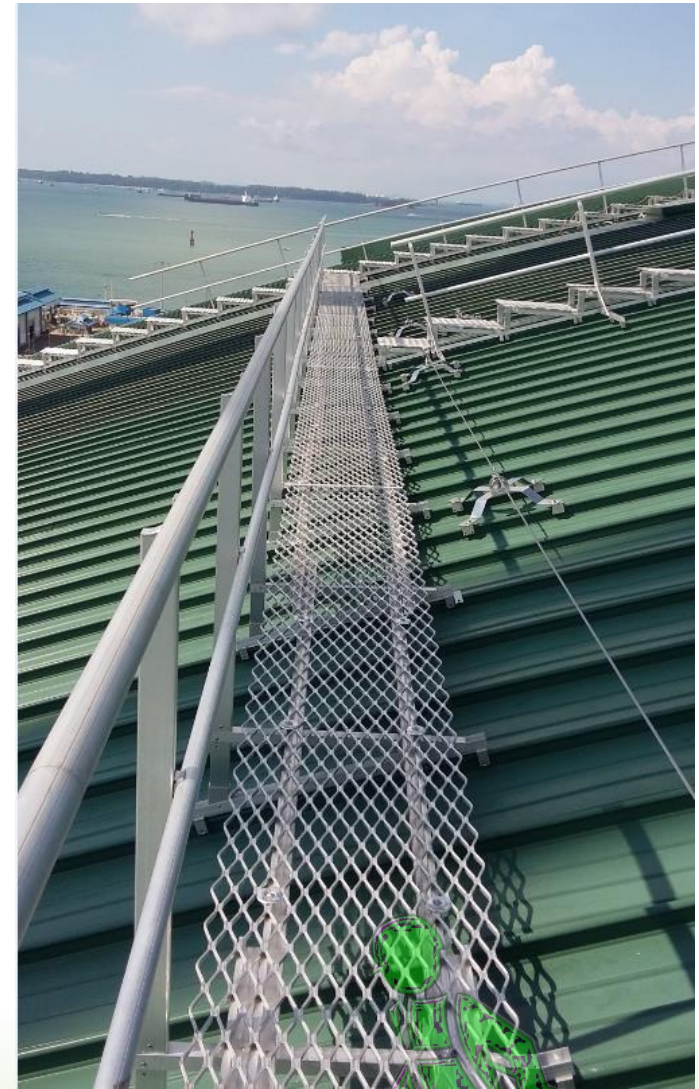
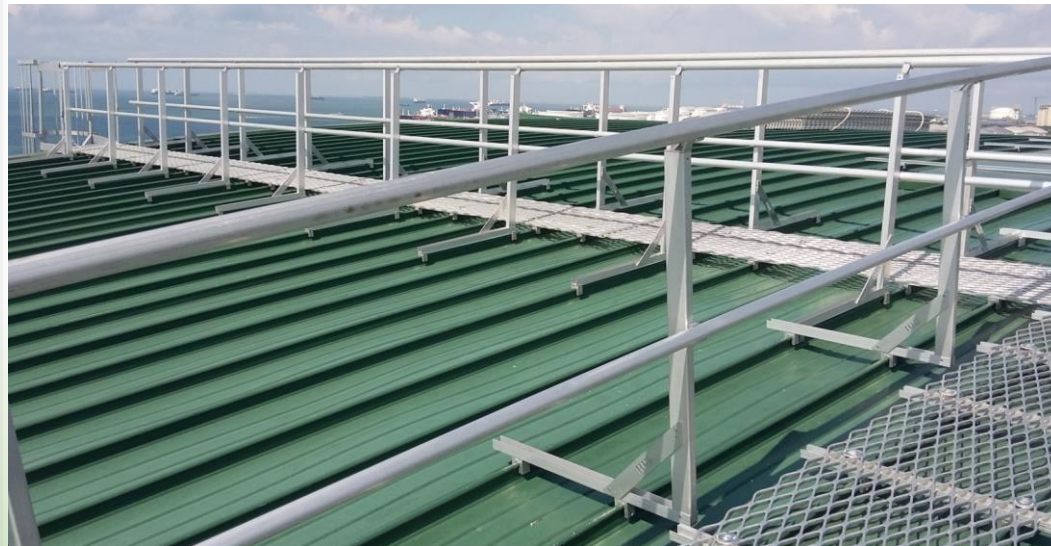


SELF STANDING HANDRAIL



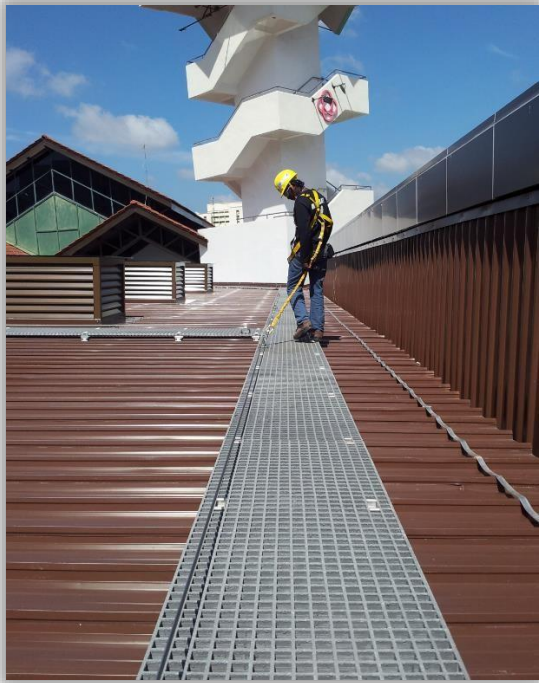
# WALKWAY + GUARDRAIL

## Aluminum walkway



# WALKWAY + GUARDRAIL

Fiberglass walkway





# ALUMINIUM LADDER



## Technical features:

- Material: Aluminum alloy molded
- Coating: Uprights: 65 x 24 mm
- Raw, Microbead or power coated (color upon request)
- Nonslip Rungs: 30 x 30 mm crimped
- Width: 600mm
- Spacing between rungs: 280mm



# BMU SYSTEM

## DAVIT ARMS & BRACKETS



Wall mounted Brackets



Slab mounted Brackets



# BMU SYSTEM

## GONDOLA TRACKS



Overhang Tracks



Downhang Tracks



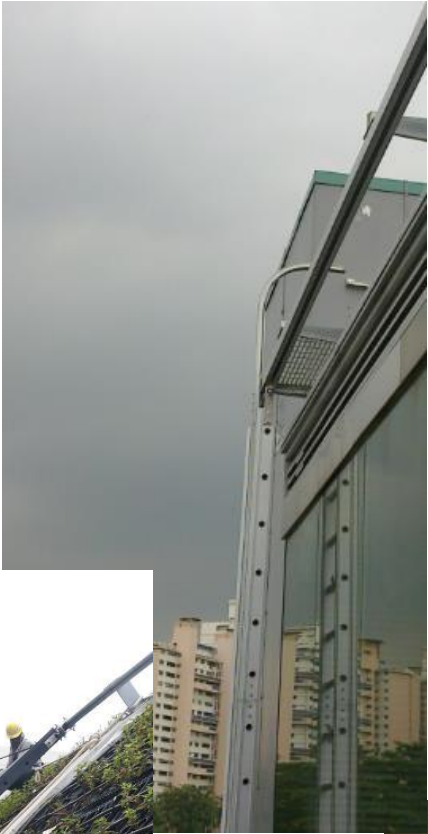
THE HEIGHT-SAFETY SPECIALIST

# BMU SYSTEM

## SPECIAL GANTRIES



Traveling ladder



Traveling Davits arms



Special Platform



# INSPECTION & MAINTENANCE

Akrobat will carry out inspection following with the Singapore Standards and manufacturer guidelines



Retractable Fall Arresters & PPE

Inspection of Lifelines, Rails & anchors



# PRODUCTS

Personal  
Protection  
Equipment

Temporary  
Lifelines

Rope Access  
Gears

SRL

Lanyards

Ladders

Rescue  
Devices

Roof Clamps



# PPE

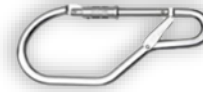


# SRL





# LANYARDS



# CLAMPS

