

Altwise International

Inspection | Engineering | Maintenance



ALTWISE
INTERNATIONA NL



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Introduction

- We at **Altwise International Services** would like to introduce ourselves as one of the providers of **Rope Access services**.
- With over 15 years of experience in the field of **Inspection ,Testing & Maintenance**.
- We offer our clients comprehensive **Inspection, Testing & Maintenance** solutions in India and overseas, serving a variety of industries including oil, chemical, gas, ship building, marine offshore, manufacturing, power plant and construction, etc.





What Is Rope Access ?

- Rope access system is a safe method of **working at height** where ropes and associated equipment are used to gain access to and from the work position, and to be supported there. *(In accordance with IRATA)*
- The primary objective when using rope access methods is to carry out the **work efficiently, with minimal accidents, incidents or dangerous occurrences.**
- In order to ensure a safe system of work is maintained at all times, whilst avoiding damage to property or harm to the environment, careful planning and documented risk assessments are undertaken for each operation.





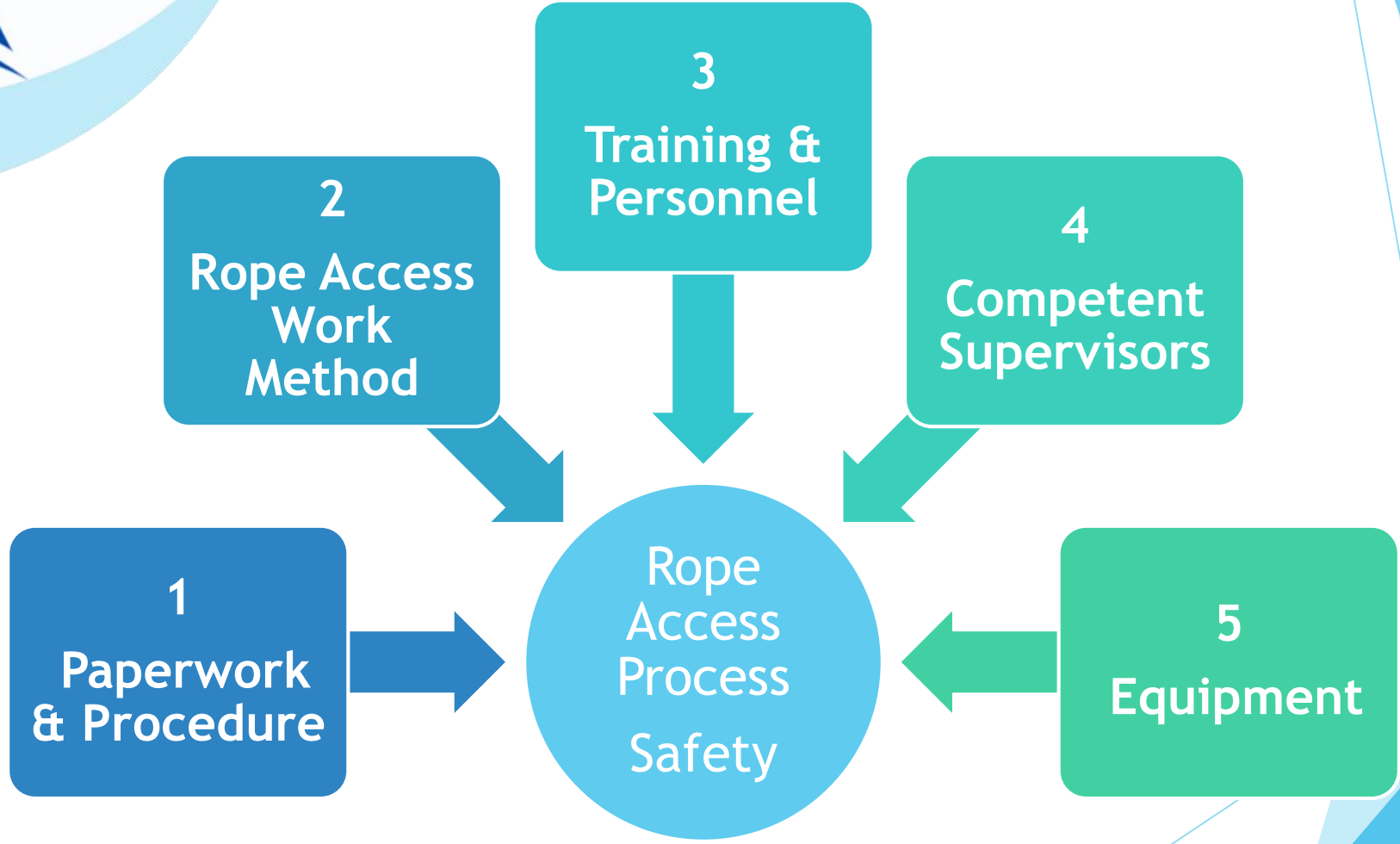
How Rope Access Works

- Two ropes at all times (Double Protection System)
 - A working rope
 - A back-up safety rope
- Separate anchorage point.
- All work is performed under the guidance of a qualified IRATA Level 3 supervisor.
- A minimum of two technicians are required on any job.
- Extensive training and independent assessment every 3 years.
- All equipment is regularly inspected and well maintained.
- All IRATA training and operational work is conducted in line with association guidelines.



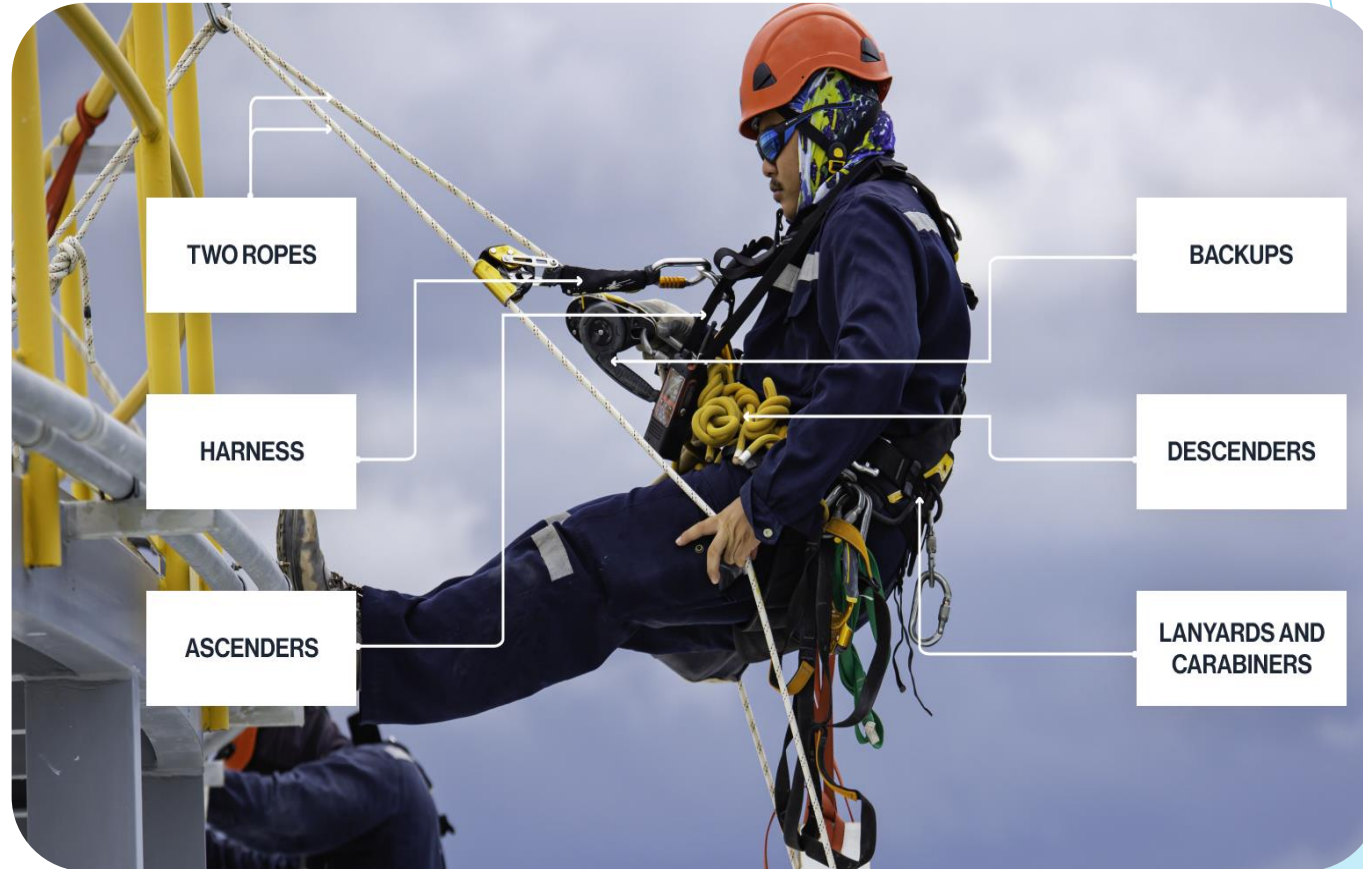
Rope Access ,IS IT SAFE ?

5
Inter-
Dependent
Components





Rope Access Equipment Setup





ALTVISE International

**BULIDINGS -Facade Cleaning Services
Via Rope Access**

Maintaining Building Facades: The Importance of Facade Glass Cleaning

- ❑ Rope Access Facade cleaning systems are especially designed for the maintenance of buildings. In the absence of these systems, the facade of the building can be badly affected. Buildings that are formed of materials such as glass, wood, brick, plastic, etc., call for proper cleaning as *it helps in preventing decay of substrates*.
- ❑ The carbon emissions can lead to decay if it is not cleaned on a regular basis. *The exterior of buildings are affected continuously by wind, rain, snow, etc.*, and for this it is must to maintain buildings using facade cleaning systems.



- ❑ Buildings can be maintained in a highly efficient manner with the help of these cleaning systems and the best systems take care of all facade cleaning aspects such as external facades to windows, roofs, paving, guttering, structural steel, etc.
- ❑ If the exterior parts of the building are not cleaned regularly then a **more caustic approach will be required** to maintain them in future and it may lead to more expenses and extra time in cleaning and maintenance. This is why the best approach is required to maintain the building using the best facade cleaning systems on a regular basis.



- ❑ Investing in the building facades of a structure is similar to understanding its personality since the vivid faces are the front of the structure and may leave a deep impression on the visitors or passersby. Facade failures can occur due to several reasons, some of which include water seepage and lack of maintenance. As a result, these surfaces typically start to deteriorate, and may even appear unattractive. To avert such consequences from happening, regular maintenance is key.
- ❑ Enhancing Curb Appeal: Glass windows, free from dirt and grime, look nuanced and well-maintained, which will contribute to ***creating a first impression for people, who would like to visit or rent a building.***

- ❑ Preserving Structural Integrity: • Eventually, earthly materials end up on glass surfaces as a potential threat to their structural stability and durability. Frequently cleaning glass will keep especially corrosion formations and stains at bay, which will keep the insides of windows strong and maneuverable.
- ❑ Improving Energy Efficiency: • The use of built-in shapers such as clear facades will let natural light into the building, thus reducing the amount of artificial light and consuming less energy. By preventing the accumulation of dirt and dust on glazes, facade window cleaning contributes to more solar lighting and less heat gaining, hence energy savings and reduced related bills.



Advantages of Rope Access

Safety

- Excellent industry statistics
- Reduce man-at-risk hours(Shorter duration projects).

Cost Saving

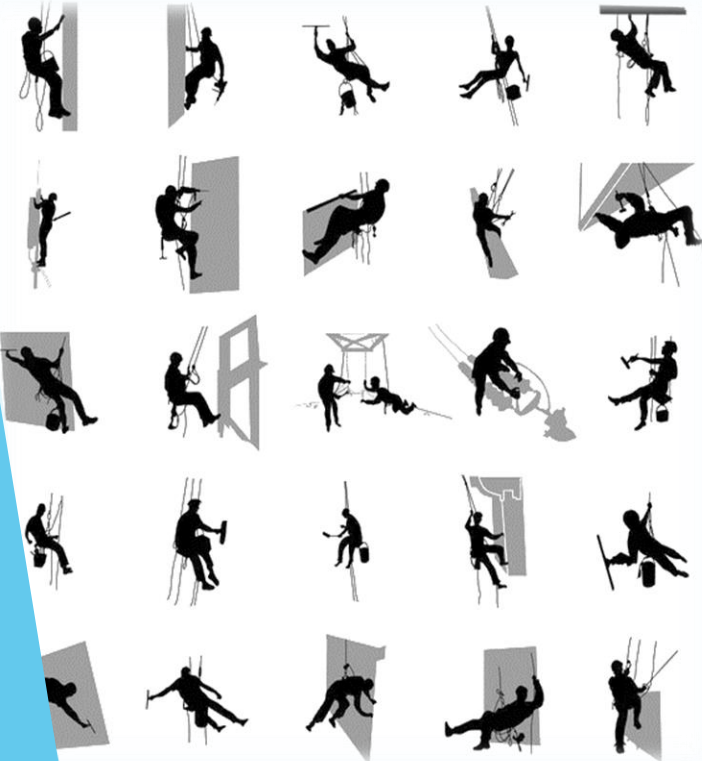
- Cheaper than other access methods such as Cranes, Mobile platforms etc.
- Reduces total man-hours on project.
- Single contractor to provide turnkey solution (e.g. Rope Access + Inspection)

Accessibility

- Access difficult-to-reach location.
- Climb, descend, move horizontally.
- Minimum amount of equipment -can be hand carried to work location.

Minimum Disruption

- Rapid set-up and dismantling.
- Reduced downtime.



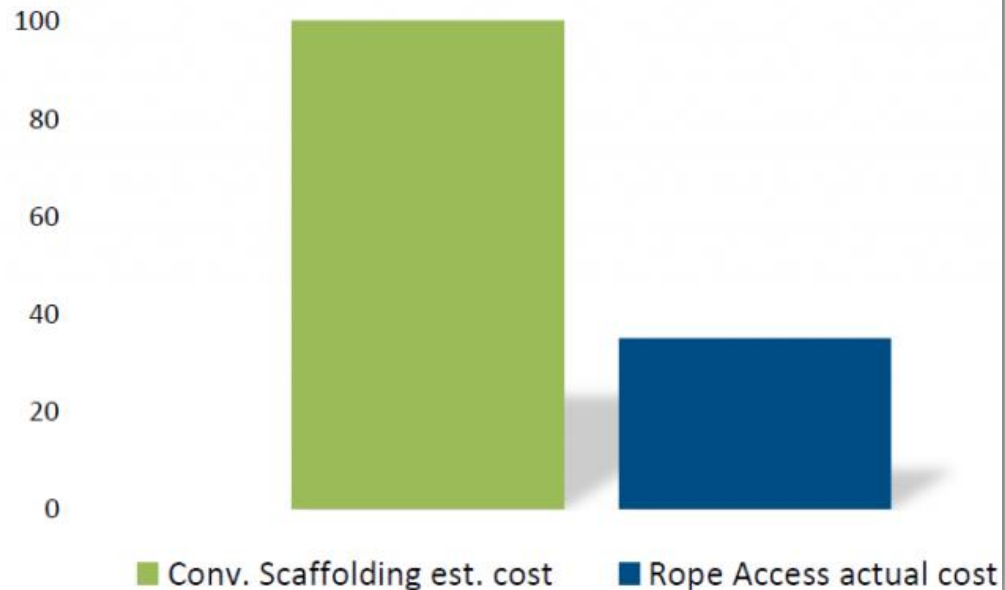


Scaffolding Vs Rope Access

Site 1# Work Scopes @ Oil & Gas Plant
CUI (Corrosion Under Insulation)

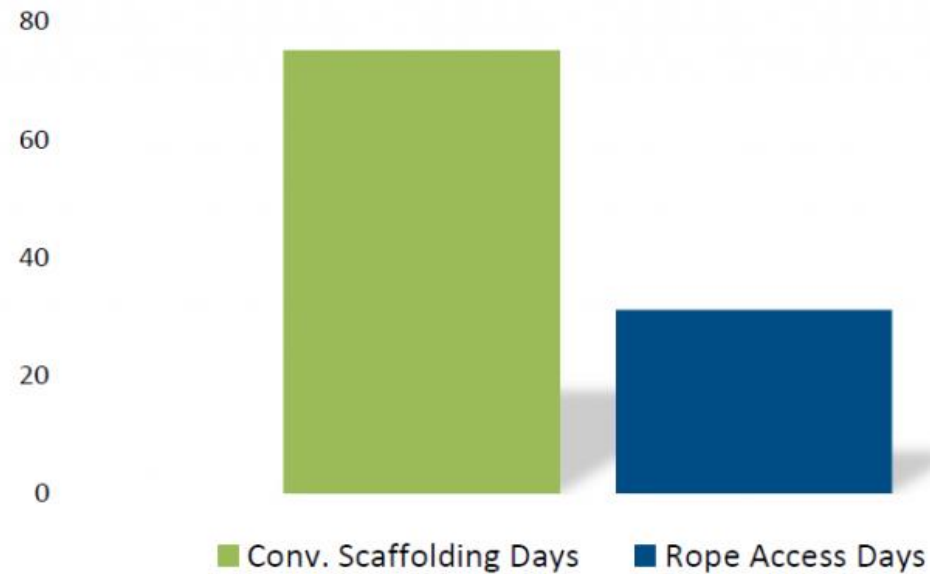
Visual and ultrasonic inspection of tower (8' diameter x 175' height) and its 18'Ø Overhead line.

Site #1 Cost Comparison



Approx. **65%** cost savings using Rope Access methods as compared to conventional scaffolding based on fixed price quotes.

Site #1 Schedule Comparison



Total 32 days for completion verses an estimated 75 days for scaffolding.



Key Pointers

- It's Safe.
 - It's Efficient- it saves you \$\$.
- It's a proven technology for Onshore & offshore works.
 - Expertise for Seamless Execution



Services We offer to our Clients

Rope Access Scopes

- All NDT Scopes
- Buffing
- Painting
- Cleaning
- Insulation Removal & Re-Instate
- Sheet Fixing
- Aluminum Cladding Maintenance
- Blasting
- Sprinkler Unclogging
- Structural Rectifications
- Light fixing
- Stadium Maintenance
- Flare Stack Maintenance
- Pressure Washer

Consultation

- NDT Consultation
- IRATA Consultation
- Radiation Consultation



Sectors We Serve

- Oil & Gas Plants
- Petrochemicals Plants
- Pharmaceuticals
- Construction Industries
- Storage Tanking Plants
- Shipyards
- Amusement Parks/Recreational Parks
- Windmills
- Steel Plants
- Skyscrapers/ High-rise Building
- Stadiums



Any Questions ?



Thank you