SECALT™: throughout the world...
SECALT S.A., part of the Tractel Group, is the world’s leader in suspended access solutions, with more than 8,000 BMU references worldwide. These systems allow the maintenance of the world’s most famous buildings.

The knowledge and experience of SECALT™, developed over many years, guarantees its customers, the most appropriate technical solutions that meet all the relevant quality standards and safety regulations.

The different technical solutions developed by SECALT™ (machines, monorail, jibs, platforms, ladders...) are all solutions that can easily be integrated into the buildings architecture while taking into account the customer’s aesthetic and technical requirements.

SECALT is certified ISO 9001:2000, ISO 14001, and OSHAS 18001.
For each building, it is important to take advantage of suitable access methods.

- Gantry over a glass canopy, Paris (F)
- Ladder for external maintenance of glazed surfaces, Paris (F)
- Horizontal RAILSCAF, Brussels (B)
- Suspended platform from a powered Davit, Basel (CH)
- Suspended platform from traversing trolley on monorail, Morocco (M)
1, its own solution
of SECALT experience
With our vast experience of developing solutions, we can advise you from the very beginning of the project on the most appropriate equipment.

+ Roof space
A BMU with roof car requires a track on the roof for traversing. Plan for enough space on the roof top for the machine to move near the buildings edge. Beware of obstacles such as stairway exits or air conditioning units… Depending on the roof space available, choose between a compact machine solution or a machine equipped with a mast.

+ Machine tracks
Several track solutions are available (concrete, free laying rails or attached rails) depending on the machine type and building structure.

Compact machines

**Characteristics**
- crossing over high parapets
- adjustment to the facade
- reduced gauge widths
- can be used on concrete or rail tracks
Mast machines

Characteristics:
- light machine with counterweights attached to jib
- only available on rail tracks
- suitable for very long jibs
Compact machines

**VENUS**

- **Working height:** max. 40 m
- **Jib length:** max. 3 m
- **Machine weight:** max. 7.5 ton

Compact, light, economic machine with powered platform (TIRAK™ hoist on the platform).

**Dimensions:**
- E: 1.3 – 1.5 m
- H: 2.35 m
- L: 1.3 – 1.5 m

**LUNA**

- **Working height:** max. 40 m
- **Jib length:** max. 3 m
- **Machine weight:** max. 7.5 ton

Simple and economic solution. TIRAK™ hoist is fitted on the roof car.

**Dimensions:**
- E: 1.3 – 1.5 m
- H: 2.35 m
- L: 1.3 – 1.5 m

**MARS**, **JUPITER**, **SATURNE**

For these three models the lifting hoists are integrated into the turret which protects them from external aggressions (climatic, vandalism, etc.).

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. lifting height</th>
<th>Max. jib length</th>
<th>Max. machine weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS</td>
<td>160 m</td>
<td>8.5 m</td>
<td>7.5 ton</td>
</tr>
<tr>
<td>JUPITER</td>
<td>280 m</td>
<td>10 m</td>
<td>9.0 ton</td>
</tr>
<tr>
<td>SATURNE</td>
<td>280 m</td>
<td>20 m</td>
<td>25.0 ton</td>
</tr>
</tbody>
</table>

**Dimensions:**

<table>
<thead>
<tr>
<th></th>
<th>E</th>
<th>H</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS</td>
<td>1.3 – 1.8 m</td>
<td>2.15 m</td>
<td>1.4 – 2.1 m</td>
</tr>
<tr>
<td>JUPITER</td>
<td>1.5 – 1.8 m</td>
<td>2.6 m</td>
<td>1.4 – 2.1 m</td>
</tr>
<tr>
<td>SATURNE</td>
<td>1.8 – 2.5 m</td>
<td>2.9 m</td>
<td>1.8 – 2.5 m</td>
</tr>
</tbody>
</table>
Mast Machines
Only available on rail tracks

VIPER
- Working height: max. 40 m
- Jib length: max. 10 m
- Machine weight: max. 8.0 ton

Lightweight BMU thanks to counterweight fixed to the back of the jib.
Equipped with powered platform (TIRAK™ hoist on the platform).

Dimensions:
- E: 1.3 – 1.8 m
- H: 3.2 m
- L: 1.4 – 2.1 m

MUSTANG
- Working height: 280 m
- Jib length: max. 15 m
- Machine weight: max. 11.0 ton

Flexible model, with possibility to adjust the mast height.
TIRAK™ hoist(s) installed within the turret.

Dimensions:
- E: 1.8 m
- H: 3.2 – 6.0 m
- L: 2.1 m

SCORPIO
- Working height: 280 m
- Jib length: max. 20 m
- Machine weight: max. 30.0 ton

The most versatile machine, capable of lifting facade panels, special long cradles, ...

Options: telescopic jibs and telescopic masts.

Dimensions:
- E: 1.8 – 2.5 m
- H: 3.6 – 6.0 m
- L: 1.8 – 2.5 m
Common characteristics

- Machines CE certified and conform to the European norm EN 1808.
- Welded assembly, hot galvanised steel.
- Platforms made out of aluminium alloy.
- Double command from the machine and from the cradle.
- Motorised slewing turret.
- All the motors, electrical cabinets and commands are IP 55.
- TIRAK™ traction lifting hoist.
- Single jib with slewing spreader bar.

Options

- Special spreader bars (V shaped, longer lengths, articulated, ...).
- Operations are powered and controlled through the patented MAGTRON™ control system.
- Specially equipped against low temperature (for geographic regions such as Russia, Scandinavia, ...).
- Telescopic jib.
- Telescopic mast.
- Hoist for additional load.
- PLC (for programming movement).
- Guiding systems (by mullion guide or restraint plug).

MAGTRON™ control

MAGTRON™ is a patented system by SECALT™ that allows the transmission of data between cradle and roof car by induction of a magnetic field in a closed circuit created by the steel wire ropes.

Advantages:

- Elimination of the pendant electrical cable or special suspension wire rope integrated electrical wires.
- No need for a radio command.
- No requirement for a dedicated transmission frequency.
- No interference with the electrical or computing environment.
- Control voltage reduced to 10 V.

Standard on JUPITER, SATURNE and SCORPIO machines
All machines are equipped with a TIRAK™ traction hoist, either X series (one cable) or XD series (dual cable).

- Traction hoist, developed and made by the Tractel Group.
- Compact, robust, lightweight and reliable design.
- Approved for man-riding according to the European, American and Canadian norms.
- Reduced maintenance requirement prolongs the life expectancy of the machine.

Platforms and cradles

Lightweight and compact, made out of aluminium alloy, SECALT™ platforms can be divided into two families:
- Powered platforms (hoist on the platform).
- Working cradles without hoist.

Platforms with hoist (VENUS, VIPER) can be used with several systems.

Working cradles without hoists (LUNA, MARS, JUPITER, SATURNE, MUSTANG, SCORPIO)

Platforms and cradles
**Fixed Davits**

Fixed Davits are an economic and simple solution, with ALTA or SOLO powered platform suspended to one or two Davits.

**Advantages:**
- Low installation cost.
- Lightweight and easy to move on the roof.
- No excess equipment on the roof.
- System can easily be dismantled when not in use.

**Powered Davits**

Traversing on a track fixed to the parapet, this system leaves the roof free of equipment whilst providing a simple and efficient solution.

Powered Davits can be used with ALTA or SOLO platforms equipped with TIRAK™ hoists.

**Polelifts**

An ideal solution for buildings under 20 m height, as the polelift mast is attached to rail tracks at the top and bottom of the structure allowing lateral movement and the platform moves vertically on the mast.
Ladders and Travelling Gantries

Solutions for inside and external maintenance of glazed structures such as domes, atriums and buildings with panoramic views.

All mobile gantries are made from profiled aluminium, which can be painted or anodised depending on the customers requirements.

Alulift

Electric driven hydraulic platform for working heights up to 16 m.

The Alulift is a compact, lightweight and polyvalent platform which can pass through all standard doors, reaching 16 m in height. It can be powered either by mains electricity or by battery.

TRAVSAFE™ Lifelines

The horizontal lifelines TRAVSAFE™/TRAVFLEX™ allow punctual, secure access to building tops where there is a risk of falling from height.

It is a dual cable lifeline that:

- Allows great personal mobility
- Allows up to five people to work simultaneously, attached to the same lifeline

Providing individual height protection is a key priority for the TRACTEL®, Group, who can offer a complete safety solution (harness, lanyards and anchor points).
An ideal system for integrating into metal structures and curtain wall facades, as it blends perfectly with the building. The monorails are made of aluminium alloy and may be supplied plain, anodised, or lacquered. They can be formed both vertically and horizontally to fully integrate with the facades. All monorails can be fitted with manual or powered trolleys which are easy to operate in complete safety.

**ORAIL (Steel)**
Hot galvanised steel monorail for all ceiling applications.
Profile: steel 110 x 80 mm
Weight: 11.9 kg/m
Max. distance between brackets: 2.7 m
Max. loading per trolley: 500 kg

**ORAIL (Aluminium)**
Monorail in aluminium alloy, ideal aesthetic solution for an installation within a recess or false ceiling.
Profile: aluminium 110 x 98 mm
Weight: 9.0 kg/m
Max. distance between brackets: 3.0 m
Max. loading per trolley: 350 kg

**ATS Rail**
Very resistant monorail, which can use an electric sheath to provide power for trolley and platform.
Profile: aluminium 185 x 121 mm
Weight: 9.11 kg/m
Max. distance between brackets: 4.5 m
Max. loading per trolley: 350 kg

**ACS Rail**
Monorail used for ceiling applications, which can use an electric sheath to provide power for trolley and platform.
Profile: aluminium 125 x 100 mm
Weight: 5.27 kg/m
Max. distance between brackets: 2.0 m
Max. loading per trolley: 350 kg
RAILSCAF
Lightweight and compact monorail which can be fitted with an integrated chain allowing powered trolleys to negotiate slopes up to 60°.
Profile: Aluminium 120 x 40 mm
Weight: 6.05 kg/m
Max. distance between brackets: 3.0 m
Max. loading per trolley: 350 kg

I-SCAF
Monorail for ceiling or cornice, which can be equipped with an integrated chain to negotiate slopes.
Profile: aluminium 55 x 110 mm
Weight: 3.16 kg/m
Max. distance between brackets: 1.8 m
Max. loading per trolley: 350 kg

EASYRAIL
Monorail for buildings where the distance between brackets is important.
Profile: Aluminium 175 x 73 mm
Weight: 9.61 kg/m
Max. distance between brackets: 4.4 m
Max. loading per trolley: 500 kg

O-SCAF
Monorail with integrated chain to allow upward movement.
Profile: Aluminium 80 x 100 mm
Weight: 5.14 kg/m
Max. distance between brackets: 2.0 m
Max. loading per trolley: 350 kg
Distribution and After-sales Service
Around the world, the TRACTEL Group companies, together with their distribution network, put their knowledge and experience at your disposal to ensure a fast and efficient service.

For the details of your nearest TRACTEL® distributor, contact SECALT S.A.