

WALLTOPIA

MILITARY TRAINING FACILITIES



General Info

Military forces often rely on specialized climbing skills to ensure operational success. For many elite units, the development and maintenance of climbing expertise are vital both at the individual and collective levels. Efficient training for these specialized tasks and the upkeep of skills are best achieved through dedicated facilities.

Walltopia installed our first military training facility in 2005, featuring a weather-resistant climbing tower catering to a law enforcement academy in Singapore. Today, Walltopia offers a diverse range of military training facilities, encompassing various structures, climbing components, and vertical obstacles.

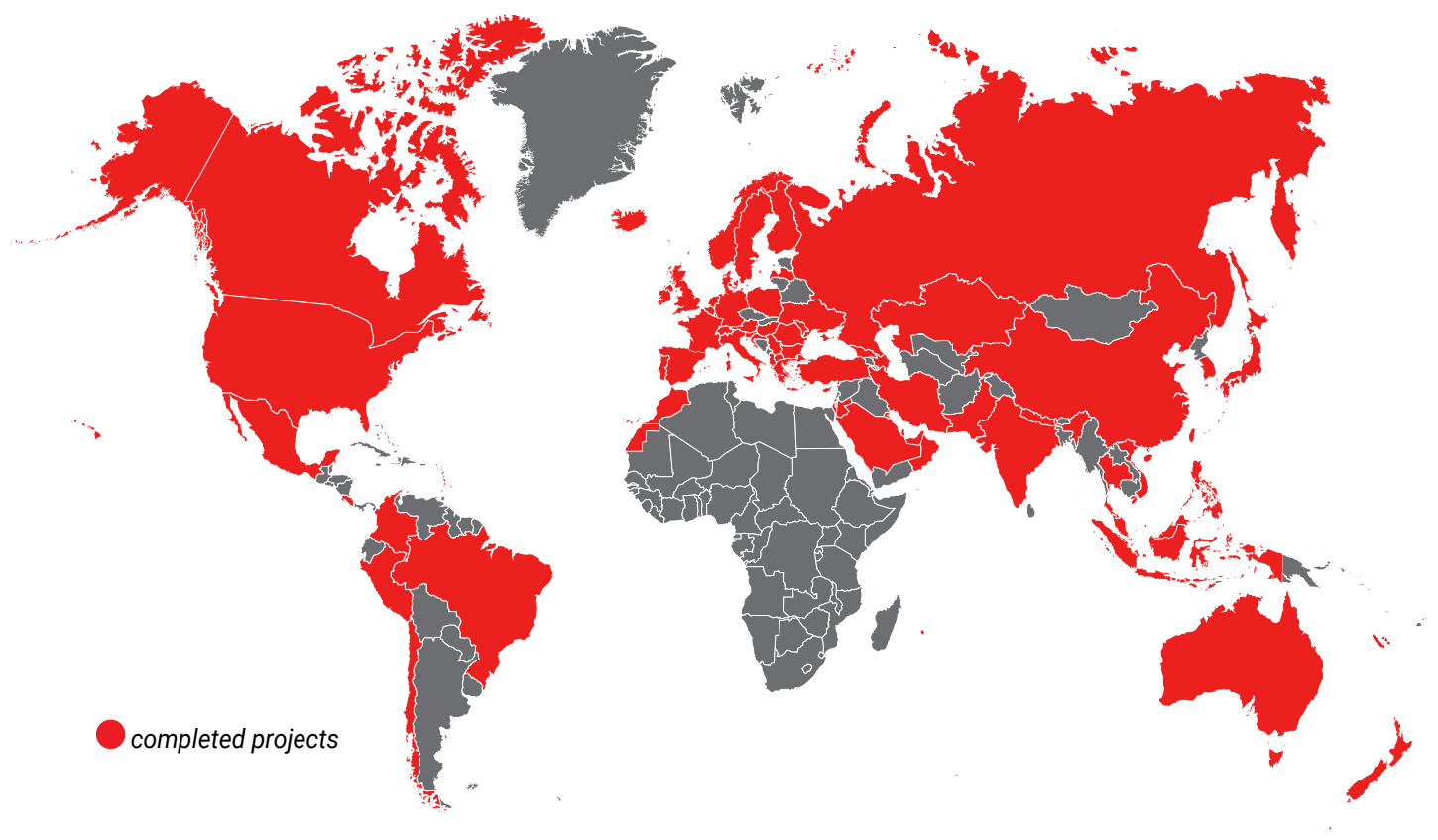
Our company collaborates with military academies, police and fire departments, as well as mountain rescue teams to design and produce structures that would serve their needs at the utmost. These tailor-made facilities are meticulously designed to meet the specific requirements of end-users, ensuring that they can engage in realistic, safe, and cost-effective mission-focused training.

In addition to specialized operational training, climbing and high ropes courses are proven to provide non-specialist military personnel with transferrable skills that have direct military applications. These skills include but are not limited to:

- Enhanced fitness levels, encompassing strength, power, endurance, and flexibility
- Improved balance and coordination
- Proficiency in the use of technical equipment
- Effective response to and management of fear of heights
- Strengthened teamwork capabilities
- Cultivated trust and confidence in fellow team members
- Competence in safe operations and work at heights

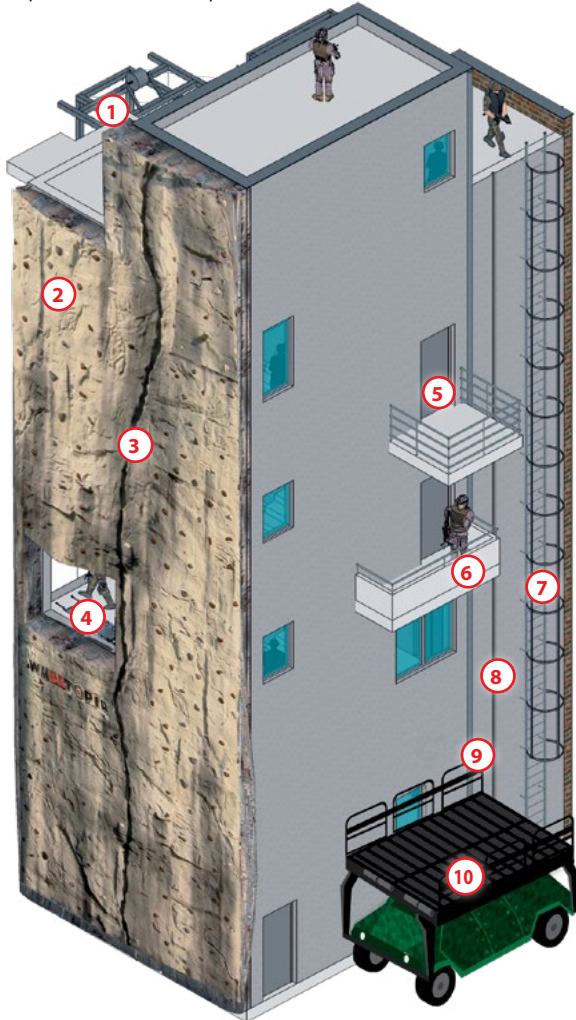
Walltopia's climbing and ropes course based training facilities are suitable for both individual and group training.

All facilities are designed, manufactured and installed to comply and exceed the applicable international standards with regionally based technical support, maintenance and inspection packages available.



Military Training Towers

This is design example to illustrate potential training features. The tower can be configured according to the customer's specifications. All military facilities are designed and installed in accordance to the operational requirements and planned activities.



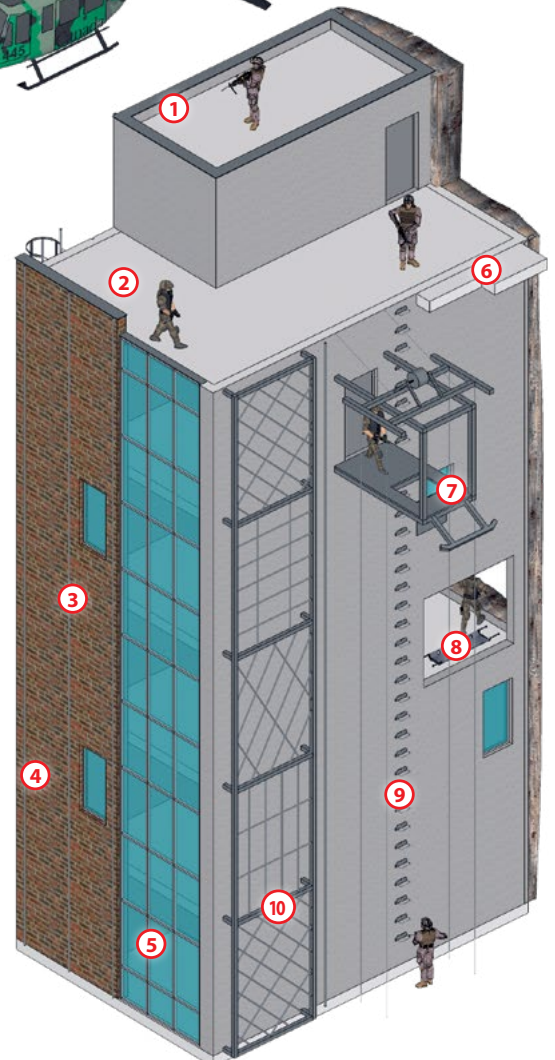
Rocktopia and Concrete Like Wall

1. Heli mock-up
2. Rocktopia: real rock appearance and feel
3. Crack climbing
4. Alcove & stretcher lowering
5. Breach doors
6. Balcony penetration
7. Hood ladder
8. Aid crack
9. Electrical conduit climbing
10. Vehicle assault

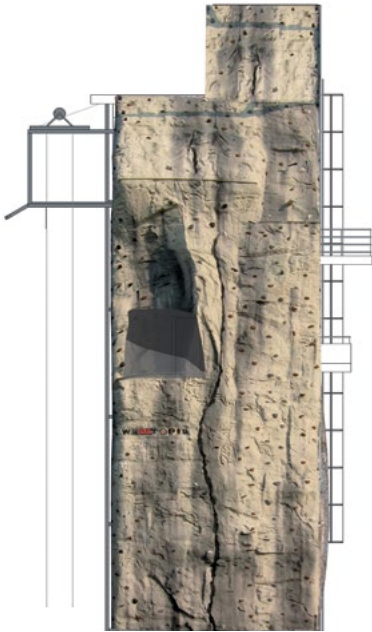


Glass and Brick Like Wall

1. Helicopter approach
2. Plummet gun training
3. Mechanical climbing
4. Brick wall sky hooks
5. Glass wall ascending and descending
6. Rappel & fast roping
7. Helicopter mock-up & skid
8. Alcove & stretcher lowering
9. Via ferrata ladder
10. Steel structure mechanical climbing

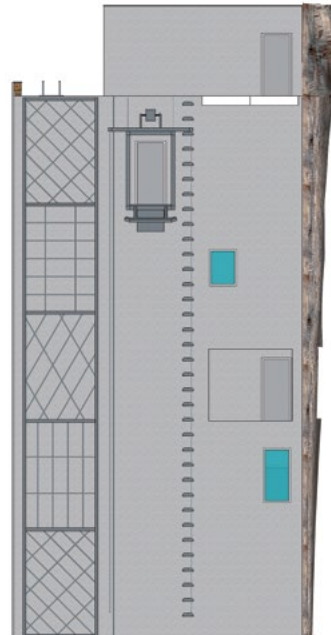


Military Towers Exterior Options



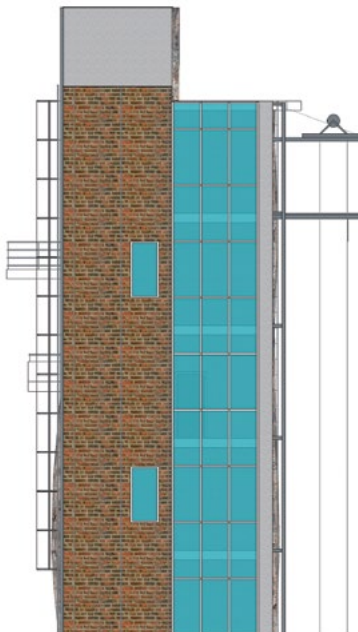
Rocktopia Wall

- Rock climbing
- Trad climbing
- Via ferrata ladder
- Rappel & fast roping
- Alcove & stretcher lowering
- Ledge for multi-pitch climbing



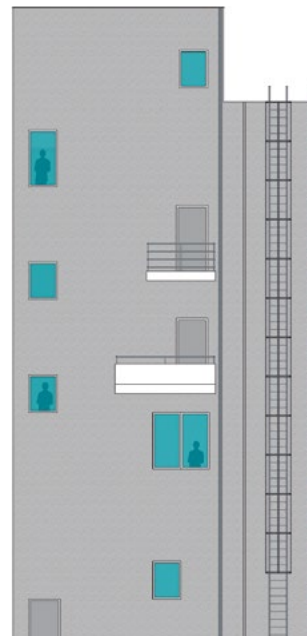
Concrete Like Wall

- Bolt Ladder
- Steel structure mechanical climbing
- Alcove
- Via ferrata ladder
- Window penetration
- Rope access



Glass and Brick Like Wall

- Brick wall climbing with hooks
- Curtain glass wall ascending
- Electrical climbing

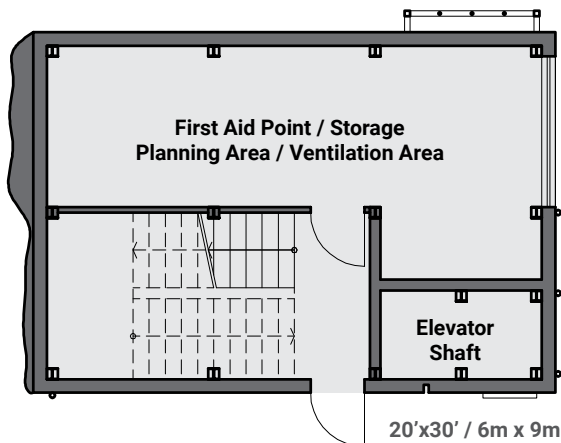


Practice assault façade

- Balcony penetration
- Breach windows&doors
- Vehicle assault
- Mechanical climbing
- Aid crack climbing
- Hoop Ladder

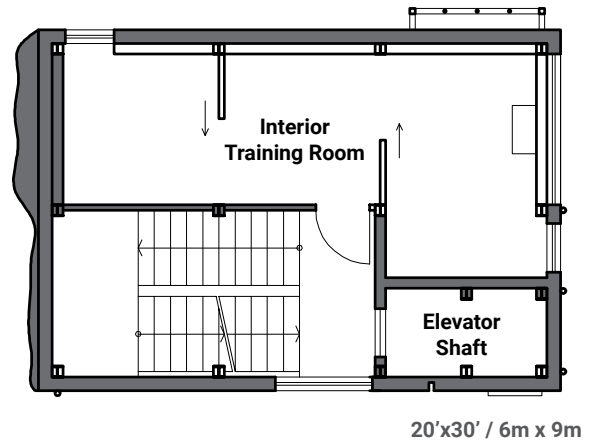
All military facilities are designed and installed in accordance to the operational requirements and planned activities.

Military Towers Interior



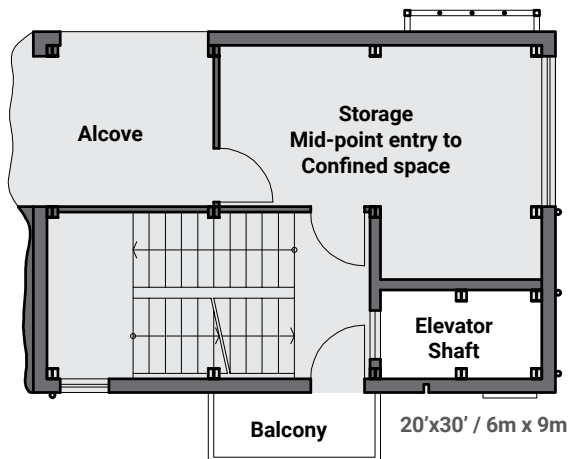
Level 1: Entry

- Various stairs for tactical training
- Removable mid-Wall in the staircase



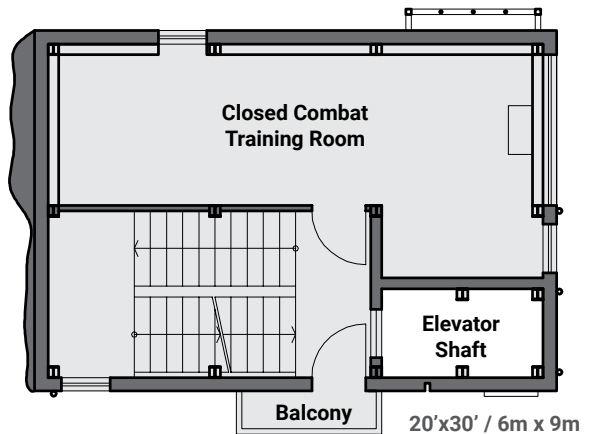
Level 2: Interior Training Room

- Mobile walls
- Mobile targets



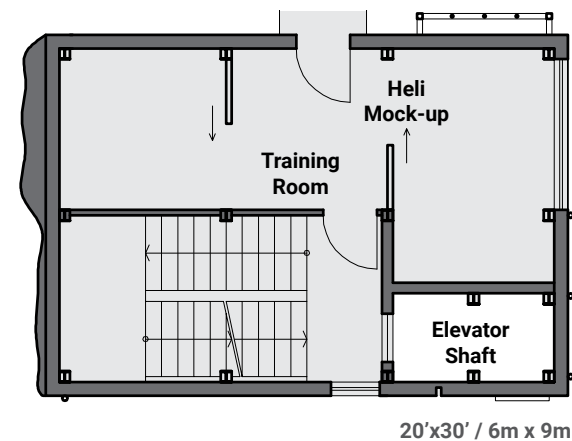
Level 3: Alcove with all anchors

- Mock Tree
- Crack system
- Bolts



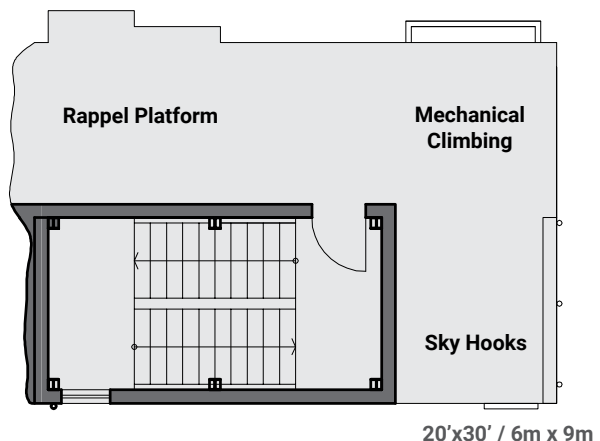
Level 4: Closed Combat Training Room

- Paint ammunitions
- Mobile walls
- Targets



Level 5: Helicopter Mock-Up Entry

- Ascending
- Stretcher lowering
- Descending
- Retrieval



Level 6: Roof Platform

- Rappel
- Fast Roping
- Technical rope access

**Fast rope gantries and helicopter abseiling will be configured to mimic the operational needs of users most realistically.*

Reference Projects



Allgäu Kaserne Füssen
Füssen, Germany

Climbing Surface: 900 m²

Materials: Rocktopia, Geome3x

Reference Projects



Government Training Facility UAE

Climbing Surface: 622 m²

Features: Rocktopia wall, 3D Curves wall,
Geome3x wall, Via Ferrata, Ropes Course

Reference Projects



VEDC, UAE

Climbing Surface: 857 m²

Features: Indoor low & high ropes course, Rocktopia wall, 3D Curves wall, Geome3x wall, Outdoor ropes course with shading, Activity tower with abseil & climbing wall

Reference Projects

Ministry of Defence, Tower Doorn, The Netherlands

Climbing Surface: 235 m²

Materials: Rocktopia Limestone



Military Tower Mersfoort, The Netherlands

Climbing Surface: 235 m²

Materials: Rocktopia Limestone



Reference Projects

Stroe Tower

Military, Police & Fire Brigade
Department, The Netherlands

Climbing Surface: 154 m²

Materials: Rocktopia Limestone



Assen Tower

Military, Police & Fire Brigade
Department, The Netherlands

Climbing Surface: 141 m²

Materials: Rocktopia Limestone



Reference Projects

AC Vredepeel

Military Tower,
The Netherlands

Climbing Surface: 150 m²

Materials: Fiberglass flat



Ermelo Tower

Military, Police & Fire Brigade
Department, The Netherlands

Climbing Surface: 225 m²

Materials: Rocktopia Limestone



Reference Projects

Law Enforcement Academy Singapore

Climbing Surface: 291 m²

Materials: GRP Panels



Ramstein Air Base Germany

Climbing Surface: 570 m²

Materials: Rocktopia Limestone



Reference Projects

106 Air Rescue

USA

Climbing Surface: 118 m²

Height: 15m

Materials: Fiberglass



Fort Carson

USA

Climbing Surface: 138 m²

Height: 11 m

Materials: Rocktopia

