Walltopia is the world leader in the design and manufacturing of artificial climbing walls, high ropes courses and artificial climbing structures. Founded in 1998, to date the company has completed more than 1,800 projects in 76 countries on 6 continents.

Military forces frequently require specialist climbing skills to achieve operational success and for some specialist forces developing and maintaining climbing skills prowess is an essential individual and collective requirement. To train for these specialist tasks and maintain skills is most efficiently achieved on specialist facilities.

Walltopia’s first military training facility was launched in 2005 – a climbing tower made of weather-resistant panels for a law enforcement academy in Singapore. Today Walltopia provides a wide variety of military training facilities in terms of structures, climbing and vertical features and obstacles. The company partners with military academies, police and fire departments and mountain rescue teams. These facilities are designed to the end users requirements in order that they can achieve the most realistic, safe and cost effective mission focused training.

In addition to direct operational training, climbing and high ropes courses are proven to provide non-specialist military users with transferrable skills with direct military applications such as, but not limited to:

- Fitness (strength, power, endurance and flexibility)
- Balance and coordination
- Use of technical equipment
- Response and management of fear of height
- Team work
- Trust and confidence in team members
- Safe operation and working at height

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 the highest 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 TRAINING FACILITIES

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 Training Facilities

**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
- Descending
- Stretcher lowering
- 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

MINISTRY OF DEFENCE, TOWER DOORN, THE NETHERLANDS

Climbing Surface: 235 m²
Materials: Rocktopia Limestone
Year of Completion: 2011
Contact Details: Noel Poels
E-mail: noel@walltopia.com

MILITARY TOWER, AMERSFOORT, THE NETHERLANDS

Climbing Surface: 235 m²
Materials: Rocktopia Limestone
Year of Completion: 2011
Contact Details: Noel Poels
E-mail: noel@walltopia.com
REFERENCE PROJECTS

STROE TOWER, MILITARY, POLICE & FIRE
BRIGADE DEPARTMENT, THE NETHERLANDS

Climbing Surface: 154 m²
Materials: Rocktopia Limestone
Year of Completion: 2010
Contact Details: Wim Nabuurs
E-mail: wat.nabuurs@mindef.nl

ASSEN TOWER, MILITARY, POLICE & FIRE
BRIGADE DEPARTMENT, THE NETHERLANDS

Climbing Surface: 141 m²
Materials: Rocktopia Limestone
Year of Completion: 2010
Contact Details: Wim Nabuurs
E-mail: wat.nabuurs@mindef.nl
REFERENCE PROJECTS

**AC VREDEPEEL, MILITARY TOWER, THE NETHERLANDS**

- Climbing Surface: 150 m²
- Materials: GRP
- Year of Completion: 2008
- Contact Details: Mr. Arnold de Jonge
  - E-mail: adejonge01@planet.nl

**ERMELO TOWER, MILITARY, POLICE & FIRE BRIGADE DEPARTMENT, THE NETHERLANDS**

- Climbing Surface: 225 m²
- Materials: Rocktopia Limestone high relief
- Year of Completion: 2010
- Contact Details: Wim Nabuurs
  - E-mail: wat.nabuurs@mindef.nl
REFERENCE PROJECTS

**LAW ENFORCEMENT ACADEMY**

**SINGAPORE**

Climbing Surface: 291 m²  
Materials: GRP Panels  
Year of Completion: 2005  
Contact Details: Chew Ang Yew  
Phone: +65 6346 8561

**KAISERSLAUTERN MILITARY COMMUNITY CENTER, RAMSTEIN AIR BASE, GERMANY**

Climbing Surface: 570 m²  
Materials: Rocktopia Limestone, GRP  
Year of Completion: 2006  
Contact Details: Noel Poels  
E-mail: noel@walltopia.com
REFERENCE PROJECTS

106 AIR RESCUE
THE USA

Climbing Surface: 118 m²
Height: 15m
Materials: 3D Curves - GRP
Year of Completion: 2014
Contact Details: Jules Roy
E-mail: hallmarkred@gmail.com

FORT CARSON
THE USA

Climbing Surface: 138 m²
Height: 11 m
Materials: Rocktopia Limestone low-relief
Year of Completion: 2011
Contact Details: John Kemp
E-mail: jkemp@big-d.com
DUAL MILITARY SKILLS AND PERSONAL DEVELOPMENT FACILITIES

GOVERNMENT PROJECT

MIDDLE EAST

Features: Rocktopia Wall, 3D Curves wall, Geome3x, Via Ferrata, Ropes Course
Year of Completion: 2014
Contact Details: Pete Aldwinckle
E-mail: uae@walltopia.com

GOVERNMENT PROJECT

MIDDLE EAST

Features: Indoor low & high ropes course, Rocktopia wall, 3D Curves wall, Geome3x wall, Outdoor low & high ropes course with shading, Activity tower with abseil & climbing wall
Year of Completion: 2013
Contact Details: Pete Aldwinckle
E-mail: uae@walltopia.com
# Reference Projects

## Egyption Military Forces
- **Total Climbing Surface**: 179 m²
- **Materials**: GRP panels
- **Year of Completion**: 2005
- **Contact Details**: All Contact Details are classified
  (Design Information Classified by request of Egyptian Government)

## UAE Military
- **Features**: Hadir Projects and Environment Systems LLC 4 climbing walls at different military locations
- **Total Climbing Surface**: 600 m²
- **Materials**: Rocktopia GRP, Plywood, GRP Panel
- **Year of Completion**: 2010
- **Contact Details**: All Contact Details are classified
  (Design Information Classified by request of UAE Government)

## Non-Disclosed Location/The Netherlands
- **Total Climbing Surface**: 265 m²
- **Materials**: Rocktopia
- **Year of Completion**: 2015
- **Contact Details**: All Contact Details are classified
  (Design Information Classified by request of Dutch Government)

## Government Project, Middle East
- **Total Climbing Surface**: 265 m²
- **Materials**: Rocktopia
- **Year of Completion**: 2013
- **Contact Details**: All Contact Details are classified
  (Design Information Classified by request of the government)