



FIRETEX PROTECTIVE TECHNOLOGIES (P) LIMITED



Escape Rescue System



High-rise Building Safety

Escape Rescue System – Driving Principles

Both evacuation (“down”) and rescue personnel transport (“up”).

For all ages and physical conditions of evacuees.

Intuitive for both Operator and Evacuee Mass evacuation:
Lite system, up to 2 cabins, app.15 persons per cabin,
30 per cycle.

High-rise buildings – difficult to provide total safety
in extreme disaster scenarios.

Geometry
Acts of nature
Human-created events

Recognized in international regulatory policy organizations
(NIST, TUV, ISO, NFPA...)



Upon deployment, the unit begins lowering the external array of five collapsible cabins to the ground.



At ground level, the cabin unfolds, allowing responders to enter. These teams are then transported up to the scene as required



Evacuees enter the cabins through specially configured exit windows on ramps suitable also for people with mobility impairments



The evacuees are transported to ground level, up to 30 people in each cabin a total of up to 150 people in each Escape Rescue system



Evacuees exit safely at ground level and the cycle is repeated as necessary



The Escape Rescue Project at the Arison Tower at the Tel-Adviv Medical Centre.

Escape Rescue System

An advanced multi platform rescue system installed unobtrusively on the roof - top, requiring almost no alteration to the building, suitable for both existing and new structures.

150 evacuees in 8 minutes
How it Works.

The Escape Rescue System is installed on the roof -top of the building.

150 Evacuees in only 8 minutes or over 1000 in the first hour. In addition, the system can transport more than 100 responders and their equipment, up into the building in the same hour.

Regulation, Testing, Approvals and Policy.

The Escape Rescue System has undergone extensive testing, and was approved for safety by the German Laboratory TUV, the Standards Institution of Israel and Israel's Ministry of labor and welfare. The Escape Rescue System is the only platform solution to comply with ASTM Standard E 2513 for Multi-Story Building External Evacuation Platform Rescue system



- Meets requirements of ASTM 2513-07 and as per NFPA 101.
- Redundant and robust command, control and communication.
- Double braking systems: Holding brakes for service use & Emergency brake automatically engaged in case of over-speed.
- For double cabin configuration, an anti-crush system - to prevent damage or injuries in case of inadvertent folding.
- Special cabin enclosure - provides tenable conditions through fire of 600° Celsius and 5 MW radiation.
- Emergency lowering system - fully mechanical, in case of main system failure.



Escape "LITE" system

Lite System Specifications

Maximum payload: 2200 kg

Rooftop assembly weight: 6,200 kg

Power unit container weight, including oil and fuel: 3,000kg

Cabin weight: 1,500 kg

Total roof overhead (without passengers):10,400kg

Descending velocity range: 50 mpm

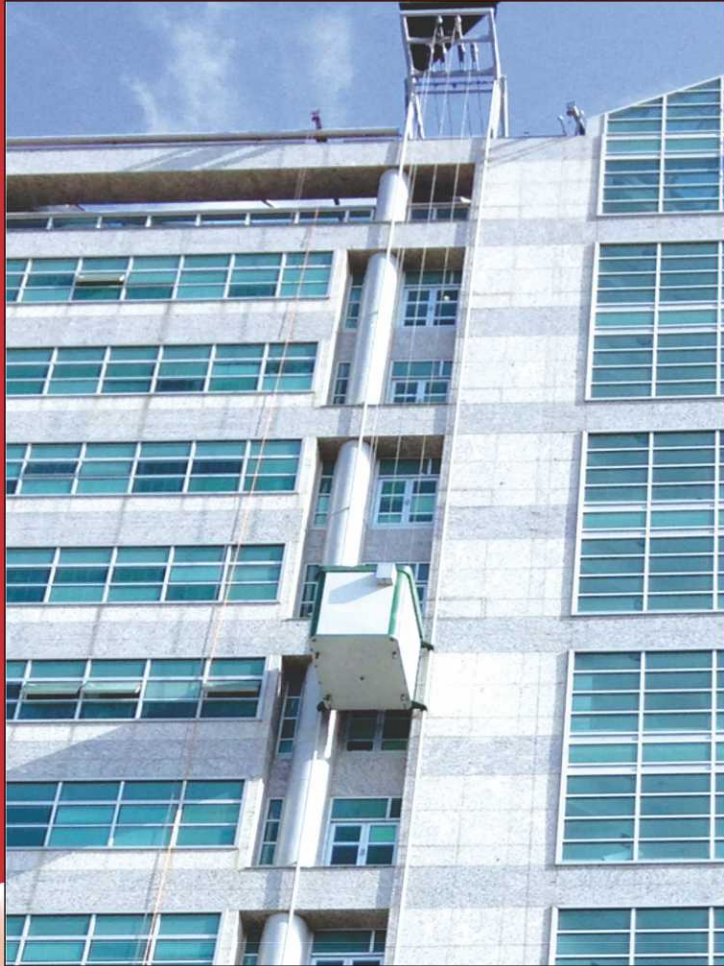
Ascending velocity range: 60 mpm **Maximum building height:** 300 m

Capacity: two cabins, 15-20 people per cabin

Entrance-door width: 1,200 mm **Wire ropes:** 4 X 16 mm

Rail mechanism: Designed to withstand winds up to

130 kph **Safety:** 10-plus cable safety factor; cabin anti-crush system



Escape "Standard" system

Standard System Specifications

Maximum payload: 10,800 kg

Rooftop assembly weight: 14,000 kg

Power-unit container weight, including oil and fuel: 6,000 kg

Cabin weight: 3,800 kg

Total roof overhead (without passengers): 23,800 kg

Descending velocity range: 70 mpm

Ascending velocity range: 60 mpm

Maximum building height: 200 m (can be adapted to 300 m)

Capacity: five cabins, 25 people per cabin

Entrance door width: 750 mm

Exit door width: 1,200 mm

Wire rope cables: 4 X 20 mm, 38 T. per cable

Rail mechanism: designed to withstand wind upto 130 kph

Safety: Cable safety factor of 10; cabin anti-crush



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