



Lifting Technologies



REGULATIONS AFFECTING HOISTS IN DIFFERENT REGIONS

Diego Benetton – Maber Hoist

INTRODUCTION

Leading Italian company specialized in the design and the manufacture of rack & pinion lifting equipment since 1982.



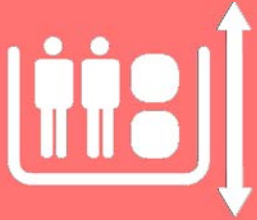
1982 > ROPE LIFTING
EQUIPMENTS



SINCE 1990 > RACK & PINION
LIFTING EQUIPMENTS

RACK AND PINION MACHINES

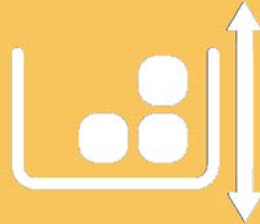
TEMPORARY INSTALLATIONS: 4 FAMILIES OF PRODUCTS



Transport Platforms

Persons and material with open platform

EUROPE: coming soon EN 16719
US: ANSI/SAIA A92.10-2009
CAN: CAN/CSA B354.12-17, B354.13-17, B354.14-17



Material Hoists

Transport material Only

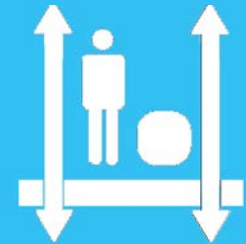
EUROPE: EN 12158-1:2010
US: ANSI/ASSE A10.5-2013
CAN: CAN/CSA Z256-M87 (R2016)



Construction Hoists

Transport persons and material with cabin

EUROPE: EN 12159:2012
US: ANSI/ASSE A10.4-2016
CAN: CAN/CSA Z185-M87 (R2016)



Mast Climbers

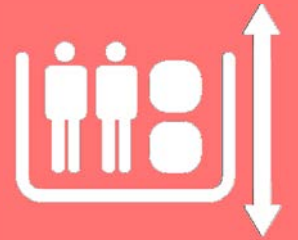
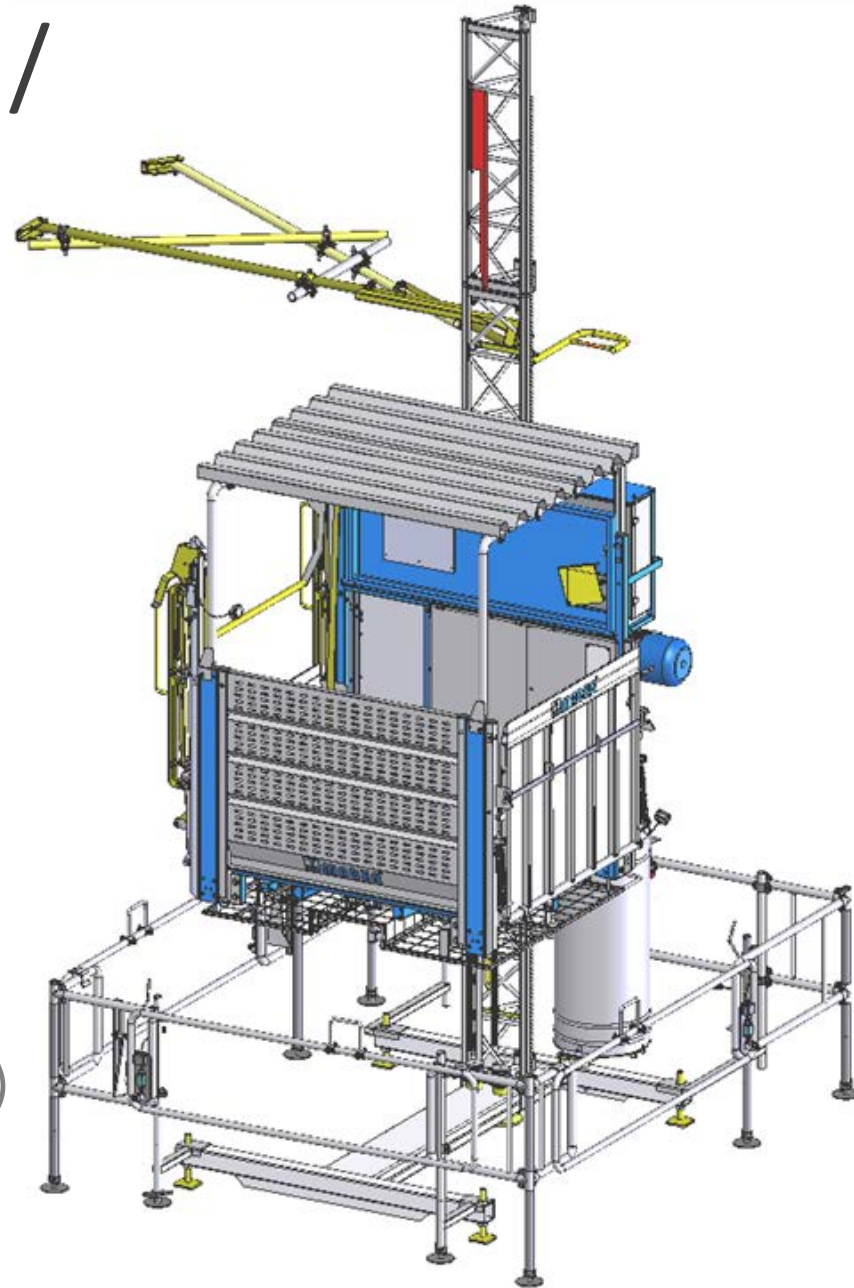
To work in the facades

EUROPE: EN 1495:2009
US: ANSI/SAIA A92.9-2011
CAN: CAN/CSA B354.9-17, B354.10-17, B354.11-17

TRANSPORT PLATFORMS / MATERIAL HOISTS

- Platform wall H=1,1 m. 3 ft 7 in (open platform)
- 50 cm 1ft 7 in safety distance (TP)
- Protection roof (TP)
- Base enclosure (full height or reduced height)
- Max speed with persons 12 m/min 39 ft/min (TP)
- Unlimited speed material only (MH)
- Landing gates with reduced height (TP)
- Landing gates with reduced or full height (MH)

Some differences between Europe and America



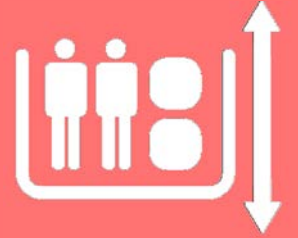
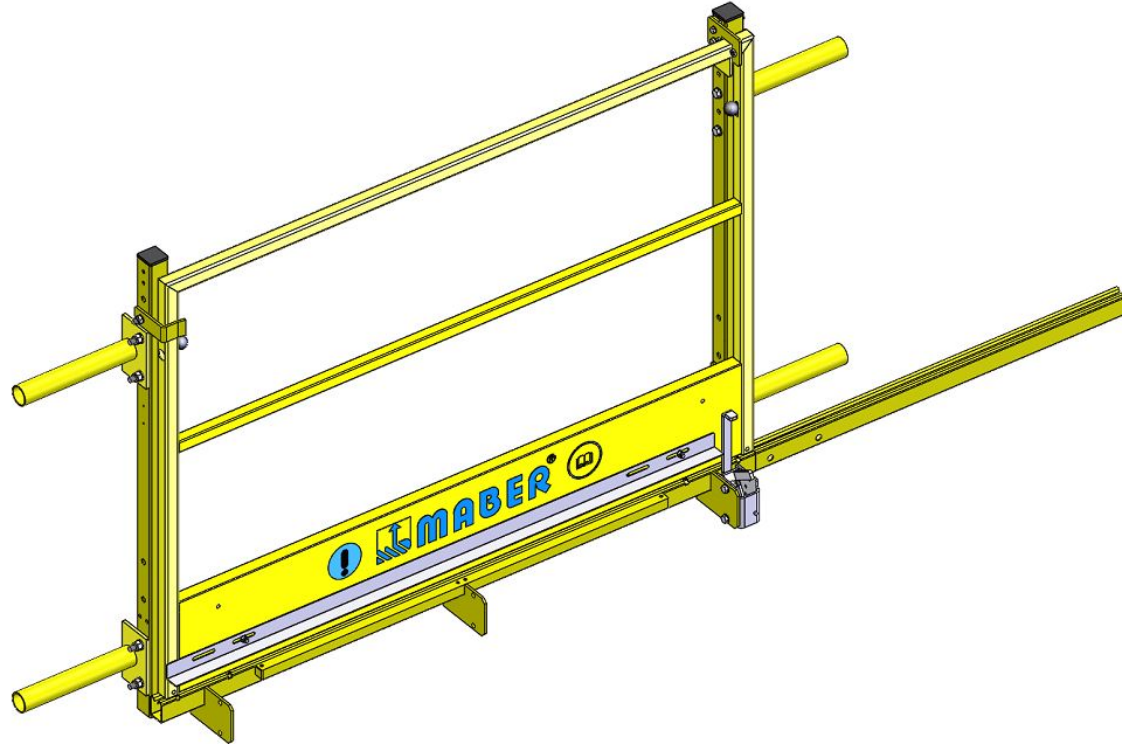
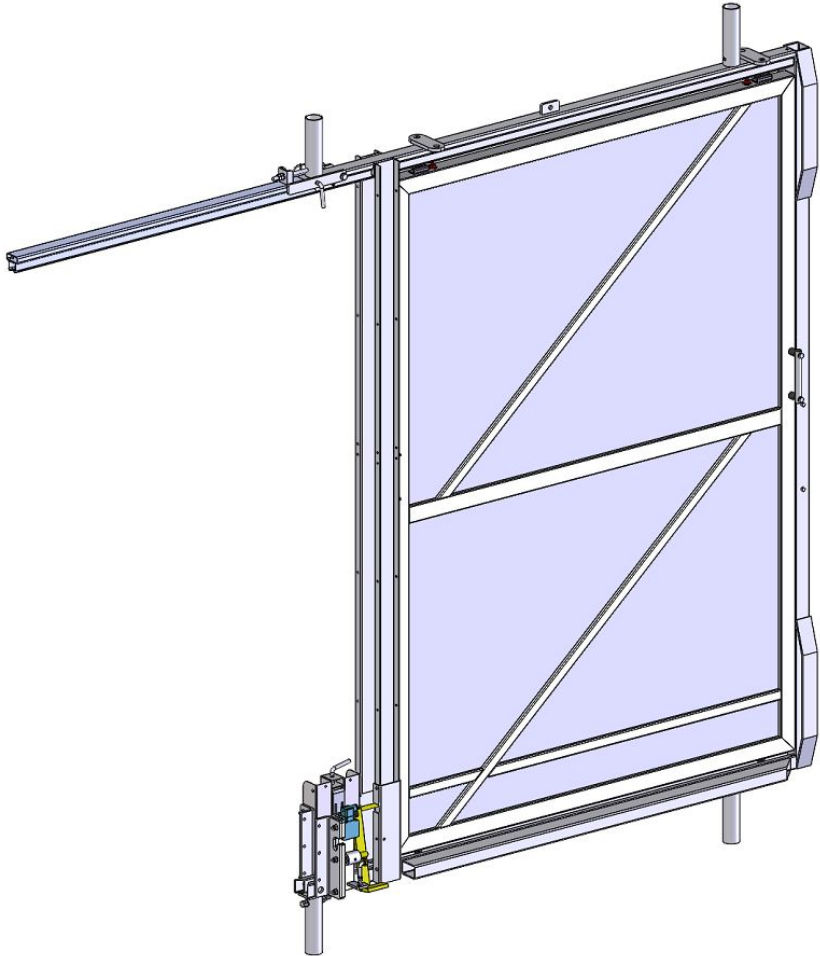
Transport
Platform



Material
Hoists

TRANSPORT PLATFORMS / MATERIAL HOISTS

LANDING GATES – FULL OR REDUCED HEIGHT



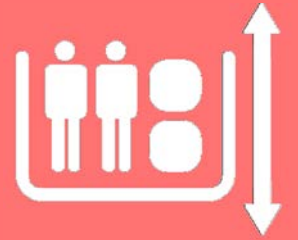
Transport
Platform



Material
Hoists

TRANSPORT PLATFORMS / MATERIAL HOISTS

LANDING GATES – FULL HEIGHT



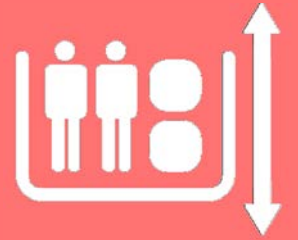
Transport
Platform



Material
Hoists

TRANSPORT PLATFORMS / MATERIAL HOISTS

LANDING GATES – REDUCED HEIGHT



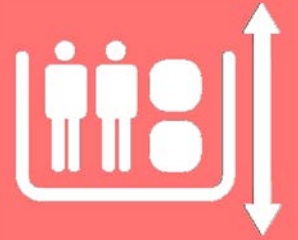
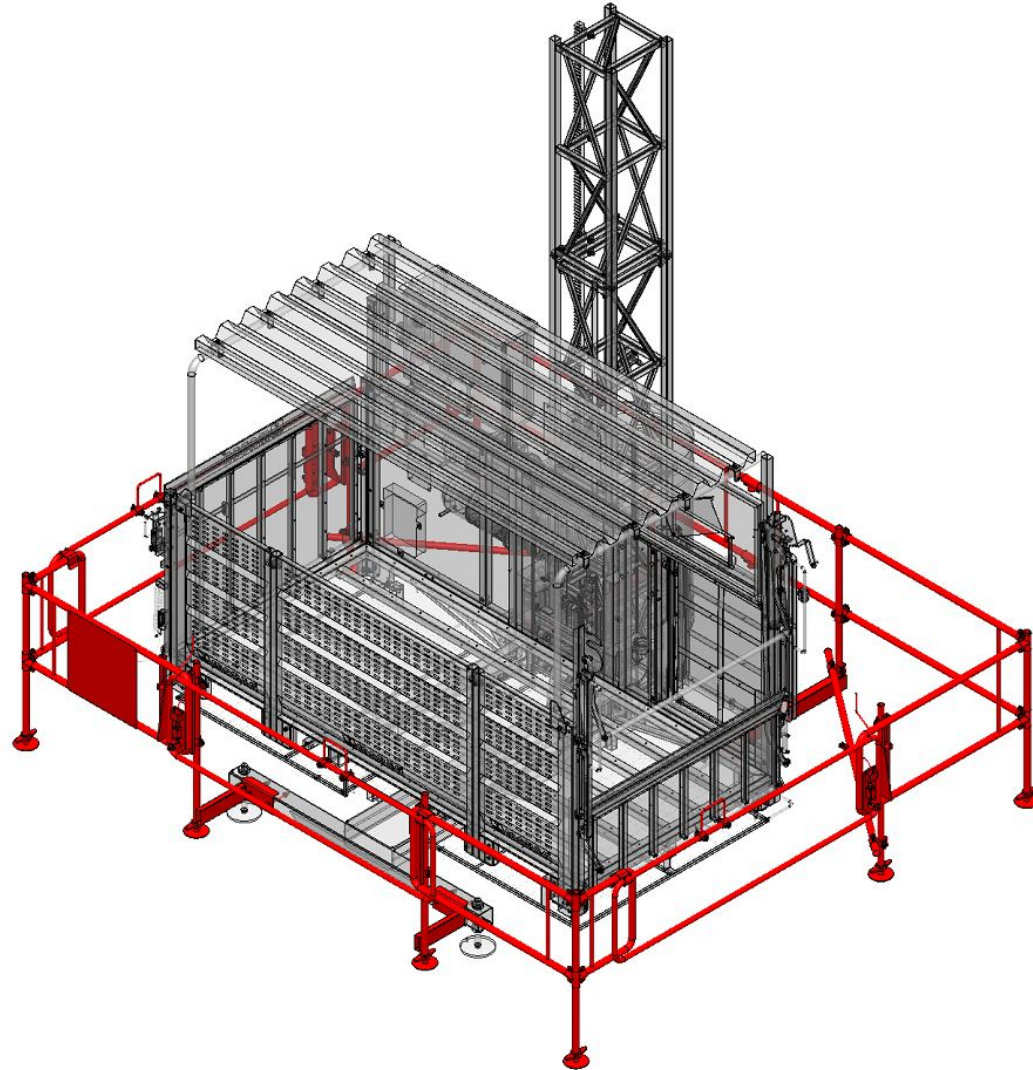
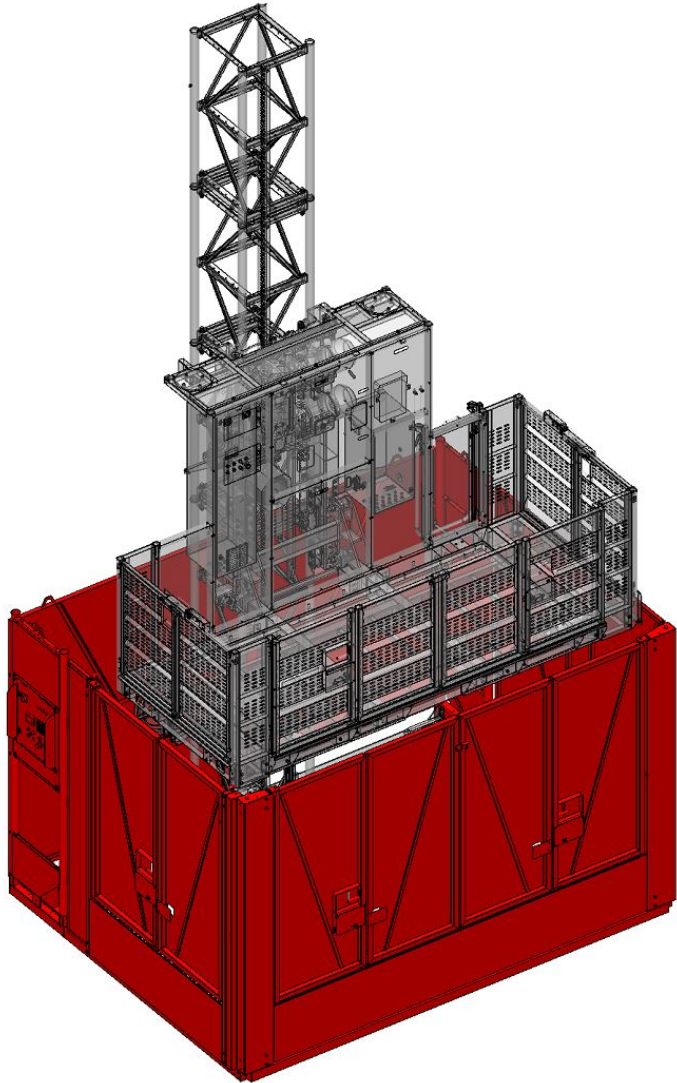
Transport
Platform



Material
Hoists

TRANSPORT PLATFORMS / MATERIAL HOISTS

BASE ENCLOSURE FULL OR REDUCED HEIGHT



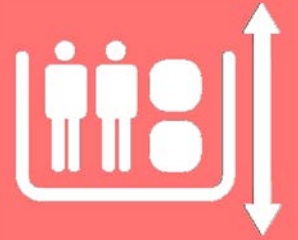
Transport
Platform



Material
Hoists

TRANSPORT PLATFORMS / MATERIAL HOISTS

BASE ENCLOSURE FULL AND REDUCED HEIGHT



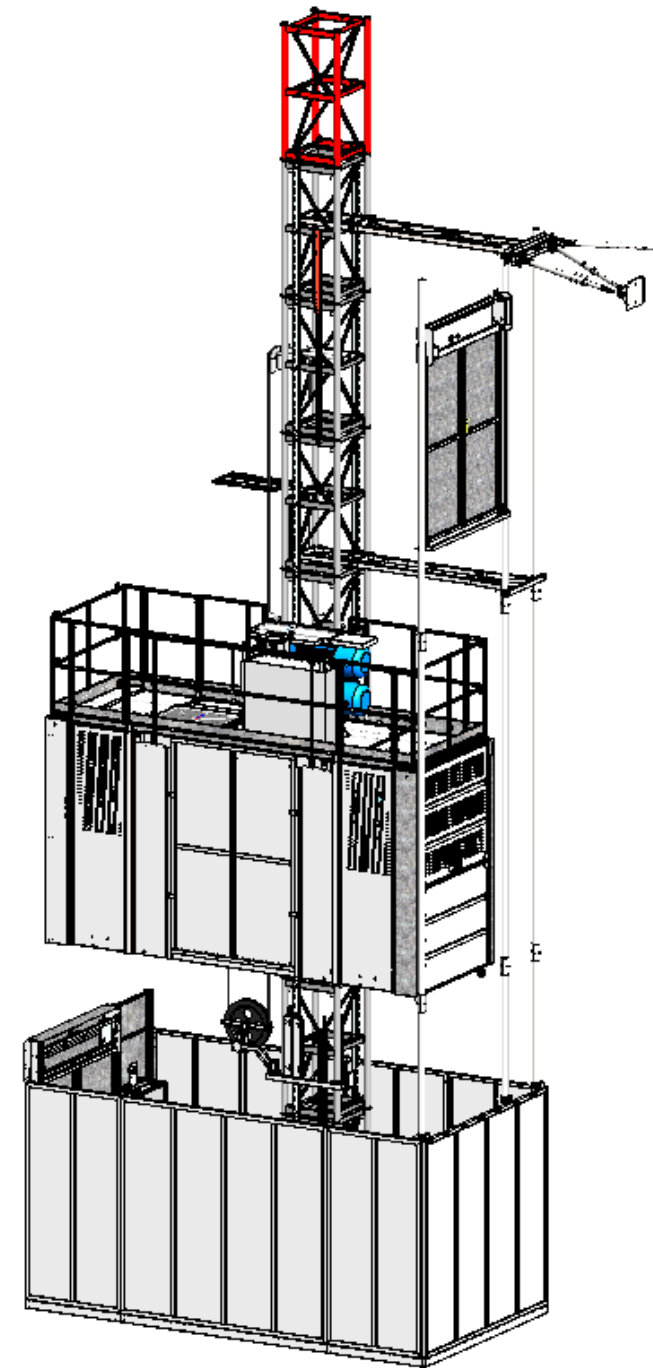
Transport
Platform



Material
Hoists

CONSTRUCTION HOISTS

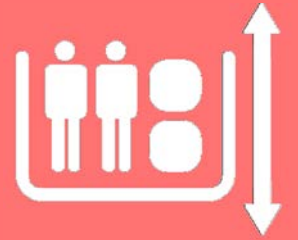
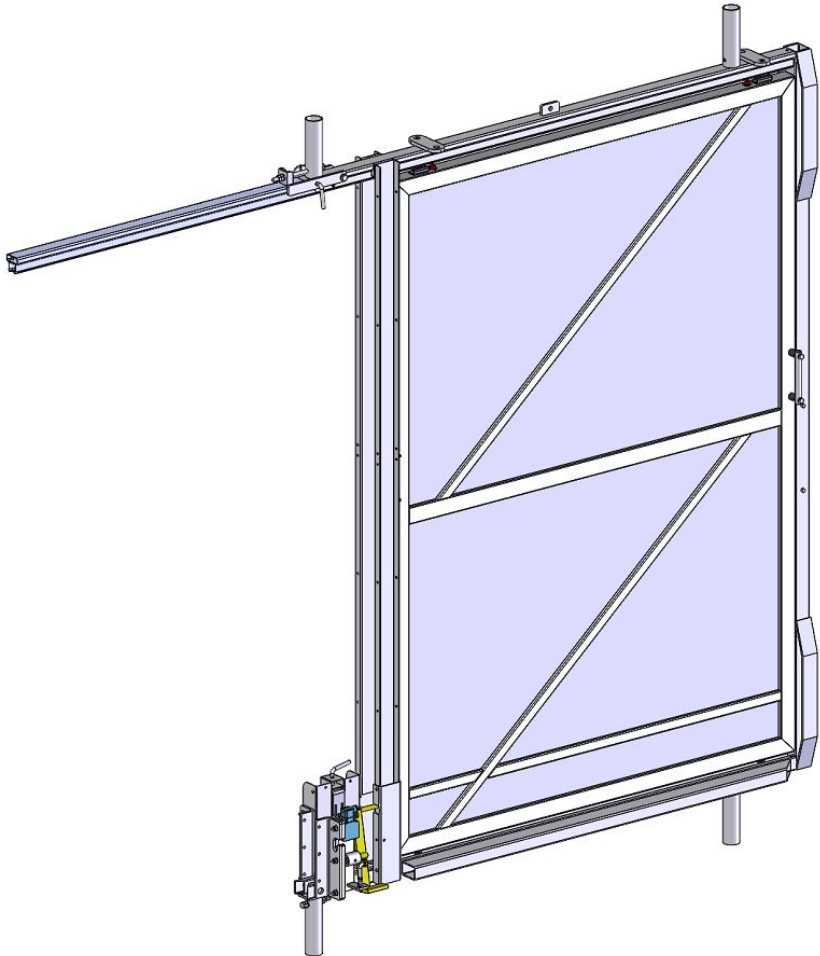
- Cage min. 2 m. high completely closed (6 ft 6 in)
- Base enclosure (full height only)
- No limitation on speed with full height landing gates
- Reduced speed with reduced height landing gates



Construction
Hoists

CONSTRUCTION HOISTS

LANDING GATES – FULL OR REDUCED HEIGHT



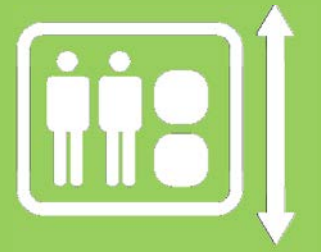
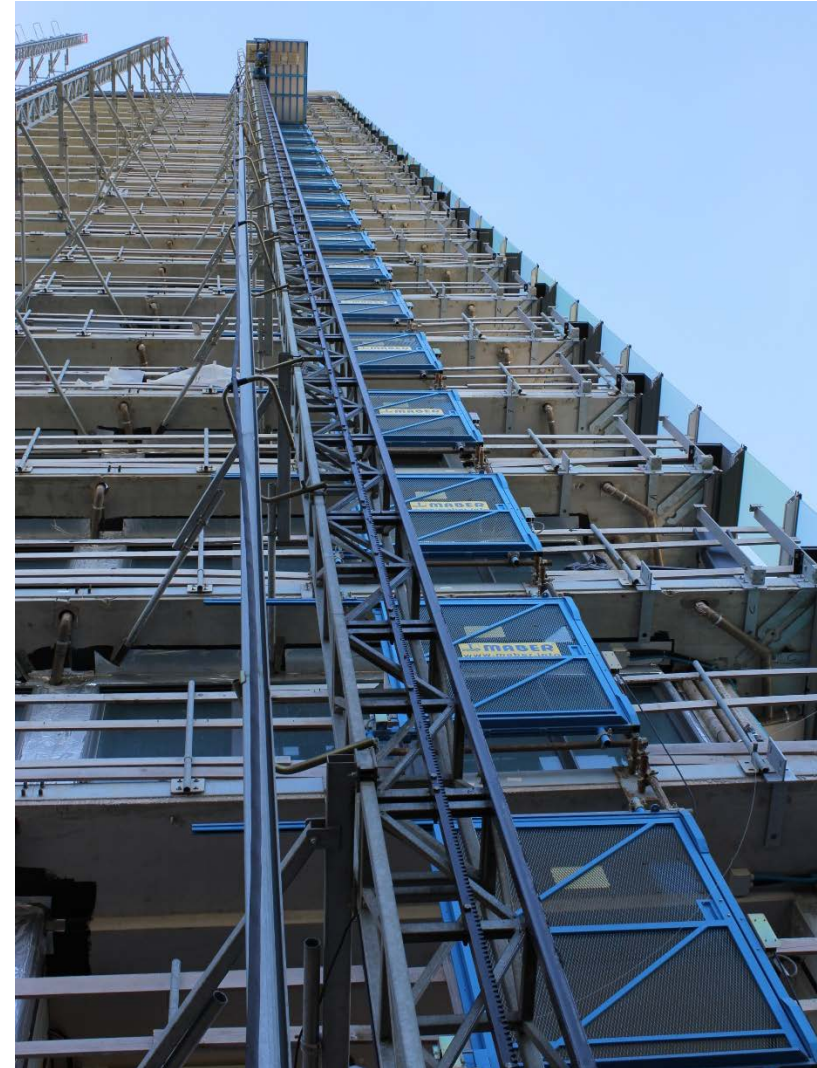
Transport
Platform



Material
Hoists

CONSTRUCTION HOISTS

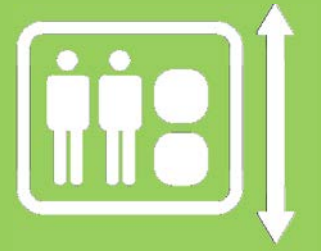
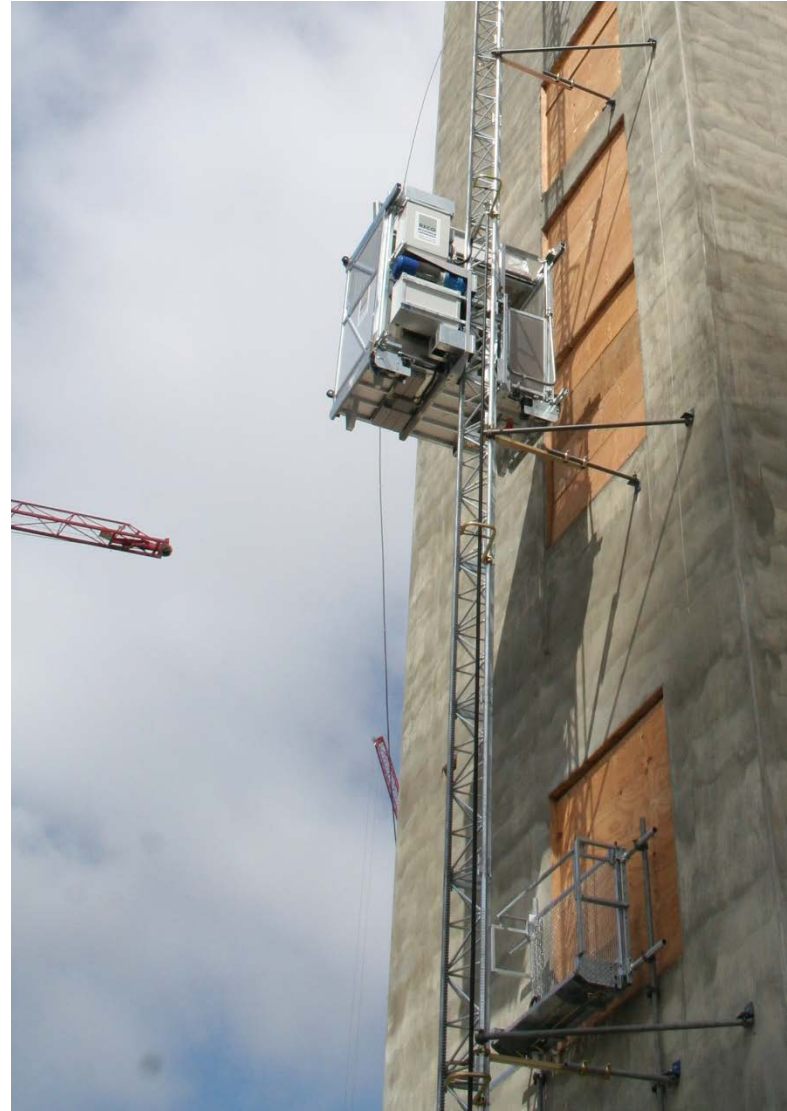
LANDING GATES – FULL HEIGHT



Construction
Hoists

CONSTRUCTION HOISTS

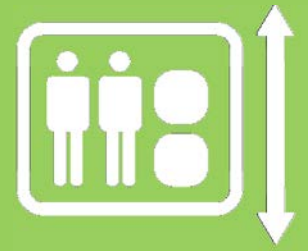
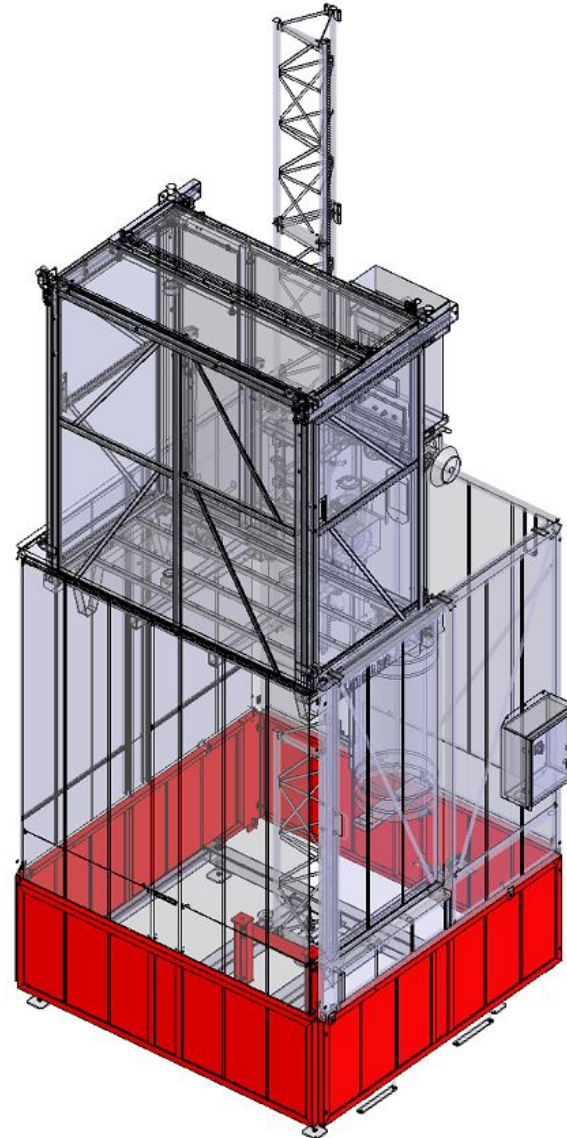
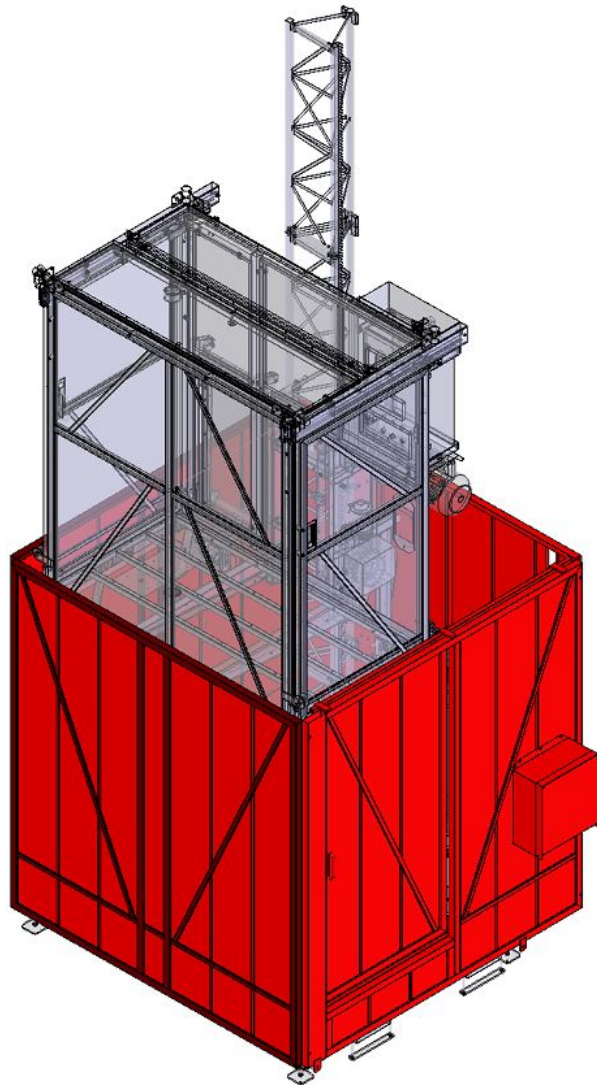
LANDING GATES – REDUCED HEIGHT



Construction
Hoists

CONSTRUCTION HOISTS

BASE ENCLOSURE FULL HEIGHT



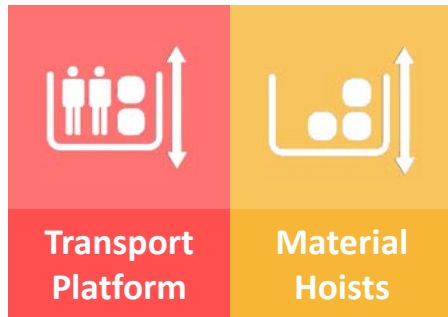
Construction
Hoists

HOISTS

MATERIAL ONLY OR PERSONS + MATERIAL?



Not yet everywhere and others



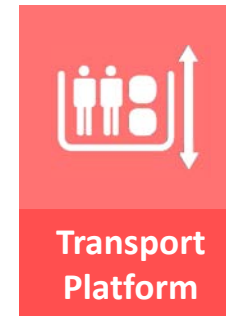
IN USE 2 MACHINES
COMBINED IN ONE



UNIQUE
MACHINE



..... and others



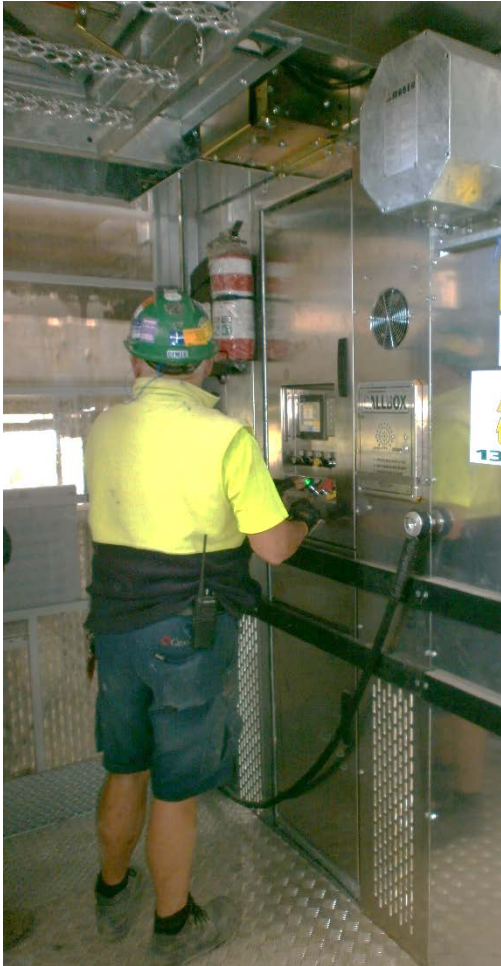
IN USE 2 DIFFERENT
MACHINES



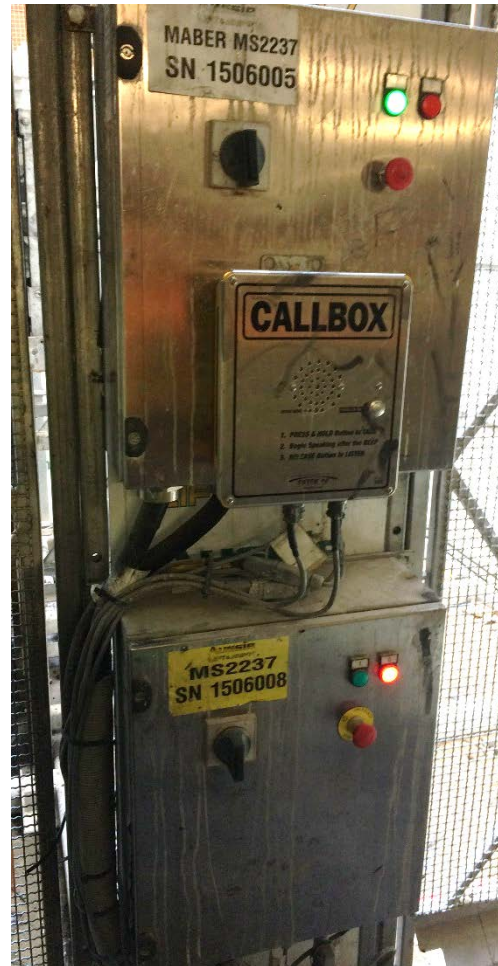
UNIQUE
MACHINE

HOISTS

USERS, RIGGERS AND TECHNICIANS



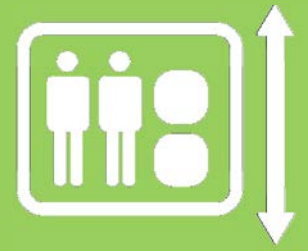
TRAINED
DRIVER



INTERCOM



NO
INTERLOCK



Construction
Hoists

CONSTRUCTION HOISTS Vs TRANSPORT PLATFORMS

CONSTRUCTION HOISTS	ITEM	TRANSPORT PLATFORMS MATERIAL HOISTS
ANY	TYPE OF JOBSITE	LIMITED TO CERTAIN HEIGHT AND IMPORTANCE OF THE JOB
HIGH SPEED	LIFTING SPEED	LOW SPEED
EXCELLENT	COMFORT OF PERSONS	GOOD
LONG AND COMPLICATED	INSTALLATION	QUICK AND EASY
COMPLICATED	MAINTENANCE	EASY
REQUIRED IN SOME COUNTRIES	DEDICATED OPERATOR	REQUIRED IN SOME COUNTRIES
COMPULSORY ALL AROUND THE WORLD	QUALIFIED TECHNICIANS FOR ERECTION / MAINTANACE	COMPULSORY ALL AROUND THE WORLD
ALL AROUND THE WORLD	ALLOWED	IN SOME COUNTRIES

THANKS FOR WATCHING

(any question?)

