

GeN2[®] **Robusta**



We care about your goods...



Gen2 Robusta is the perfect elevator solution for vertical transportation of heavy loads.

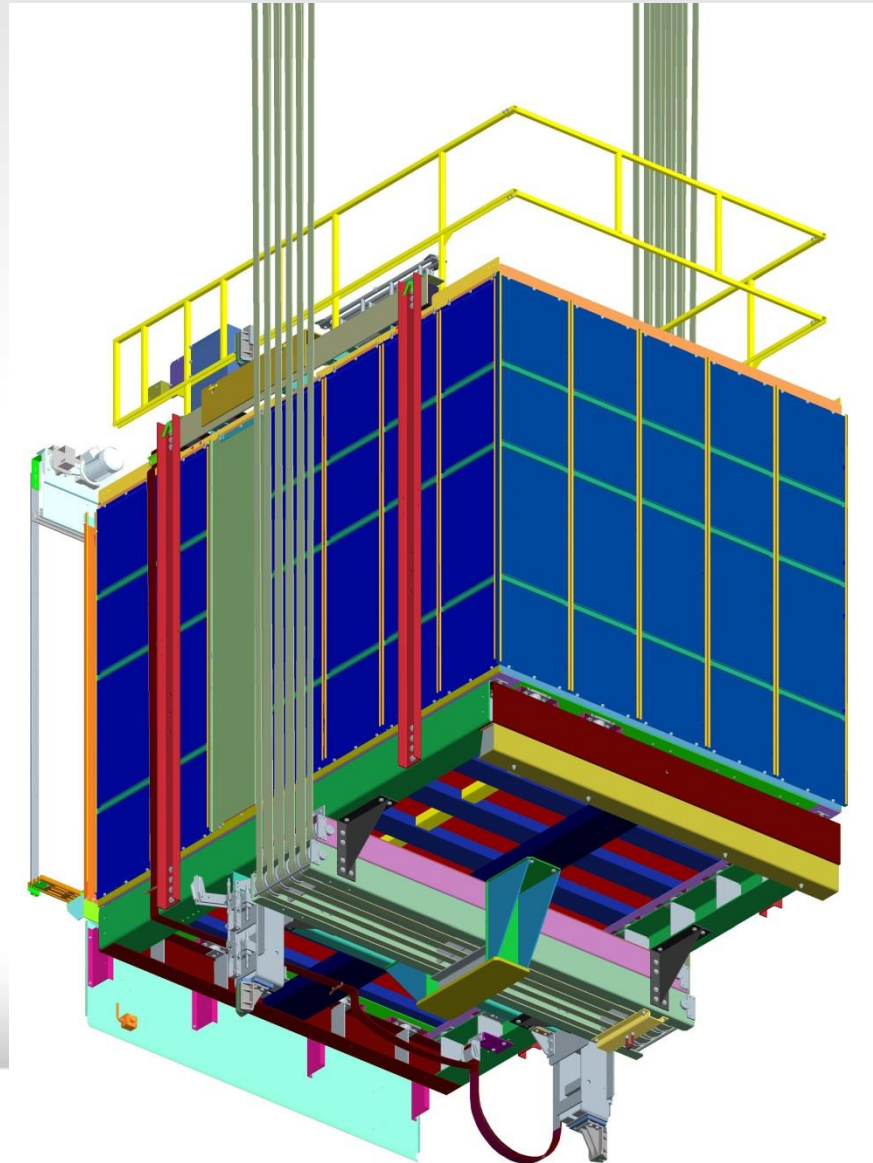
- It fits perfectly for offices, industrial plants, airports, shops, malls, hospitals, hotels...
- It can be up to 4 cars in a group.
- It offers large opening for more easy loading and unloading operations Rapid to install (cf. field)

IP 50 protection for the machine

More power...with less energy

Otis brings its GeN2 belt technology with compact machines to deliver more hoisting capacity power with less needed energy:

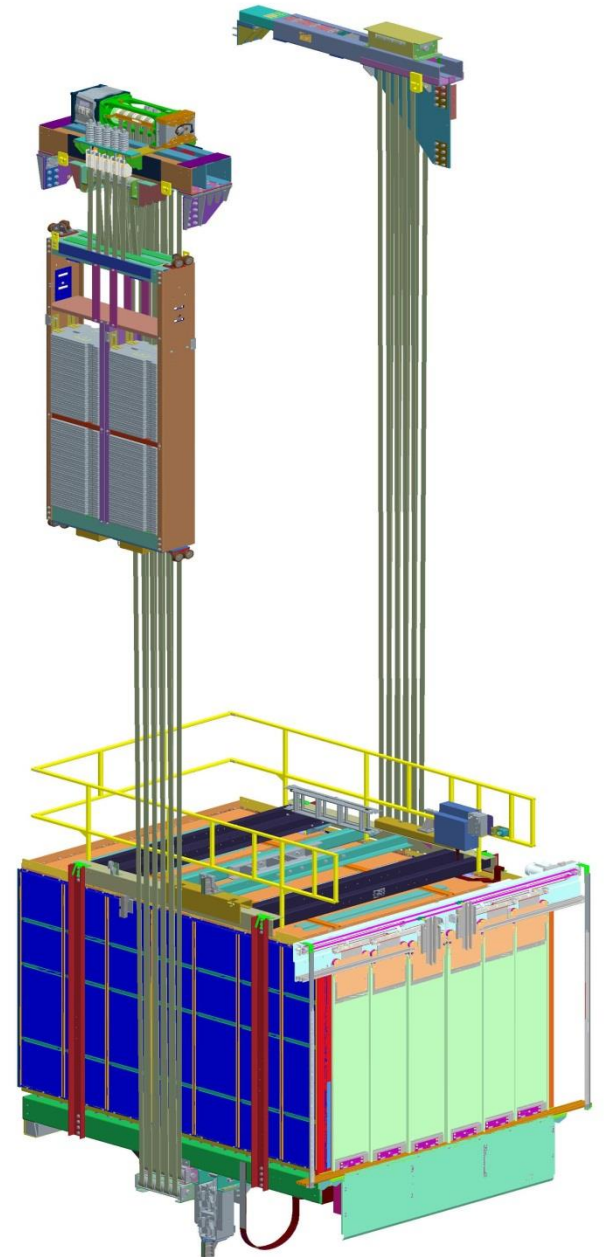
- High speed up to 1m/s
- High load up to 5000kg
- Reliable Otis technology
- Sustainable solution
- Higher starts per hour (up to 90) to cover the higher traffic requirements



Tremendous time & space savings

GeN2 machinery room-less technology gives a new dimension to freight elevators:

- Up to 16m² space saved for other use
- Less interaction with other trades
- Quicker and safer installation
- Easier planning and project management
- Greater flexibility in building design to the architects and designers



Sustainable even for heavy loads

Just as the best gets better, with GeN2 elevator, green gets greener with standard components.



Lubricant free coated-steel belts



**Compact PM gearless machine
70:% smaller**



Electrical components standby mode



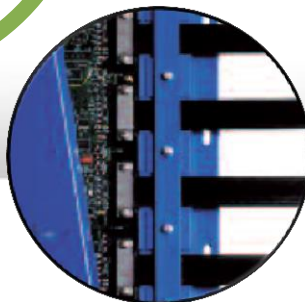
Signalization dimming



Electricity regeneration with unique ReGen™ drive,



Pulse system: To further enhance reliability and safety



LED lighting with auto-shutoff

Supporting your green building certification

GeN2 Robusta features

Benefits

Coated steel belts

- 20% lighter than regular ropes yet stronger
- It lasts up to three times longer
- Reduces total mass to be moved
- Decreases power and energy used during acceleration/deceleration phases
- Quiet operation and superior ride comfort
- Eliminates the metal-on-metal contact

Compact gearless machine

- Gearless technology avoid high mechanical losses (50% more efficient than a geared machine)
- PM technology brings higher overall machine efficiency due to rotor current induction avoidance (10% more efficient than an asynchronous gearless)
- Radial design provides a low inertia and great magnetic field confinement (15% more efficient than axial PMSM gearless)

ReGen Drive Pulse system

Energy savings through energy regenerating when heavily-loaded car travels down or lightly-loaded car travels up. Energy efficiency class
Monitors continually the status of the blts steel cords

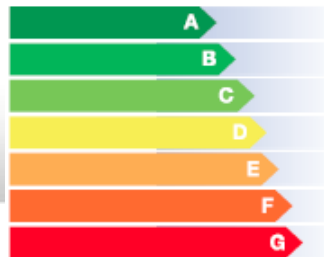
LED lighting

Auto shutoff during standby, allows reduced lighting power and brings significant energy savings
Lasts more than 10 times longer than that of incandescent bulbs.

Standby mode

In case of no activity, energy-conserving standby mode of machine, controller, drive, car lighting, ventilation and door operator is switched on.

Energy Efficiency Class

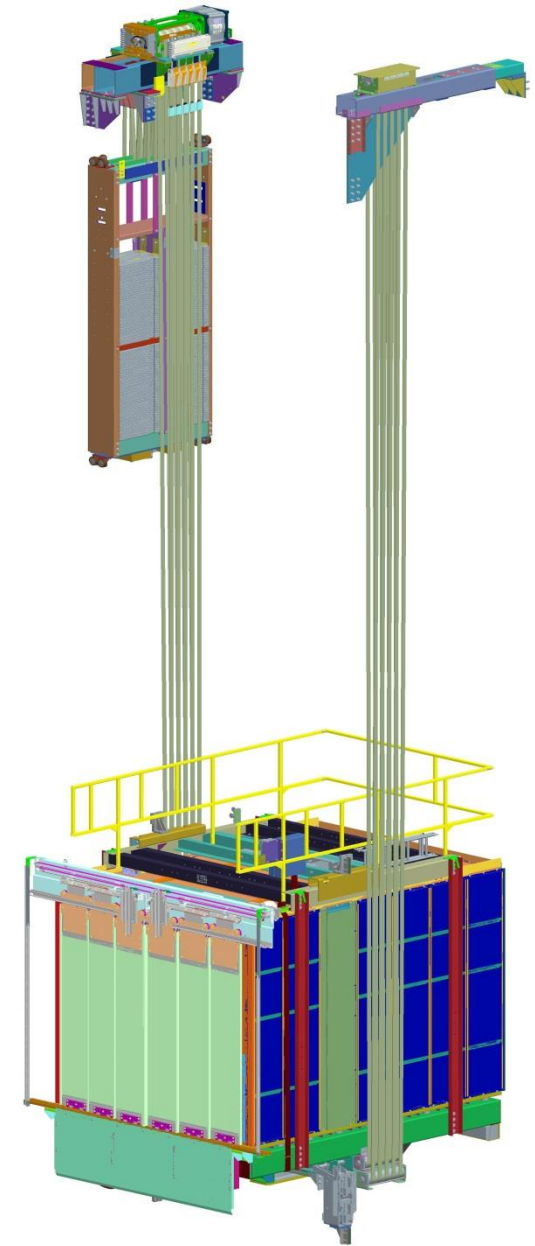


A GeN2 Super Cargo
(Category 1 & Category 2 acc. to VDI4707)

Pushing the limits

GeN2 Robusta Specifications

Load	3000kg to 5000kg
Speed	0.5 m/s, 0.8 m/s or 1m/s
Max. Rise	45m for 1 m/s; 36m for 0.80 m/s and 22.5m for 0.5 m/s and 36m for 4000kg, 4500kg and 5000kg
Max. No. of Stops	16 for 3000kg and 3500kg and 13 for 4000kg , 4500kg and 5000kg
Entrances	Front or front & rear
<u>Stopping accuracy</u>	<u>+/- 3mm</u>
Average in car noise	53 dBA



Reliable aesthetics

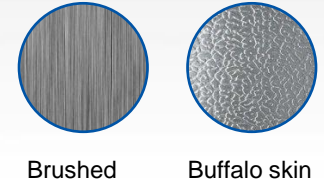
GeN2 Robusta car design has been engineered for durability and work convenience:

- Wall panels are available in both painted or stainless steel

Standard
paint colors



Stainless
Steel types



- Flooring is available with slip-resistant rubber, aluminum chequered plate or steel chequered plate



- 30mm recess maximum
- **LED lighting with standby mode guarantees an accurate visibility**

Professional signalization

Sleek, unobtrusive and highly resistant operating panels:

- Flat brushed stainless steel faceplate
- LCD and Dot-matrix position and direction indicator
- Vandal resistant stainless steel buttons with LED technology
- Metallic black chicklets with Braille
- Door open and alarm buttons
- Optional key switches
- Landing fixtures:

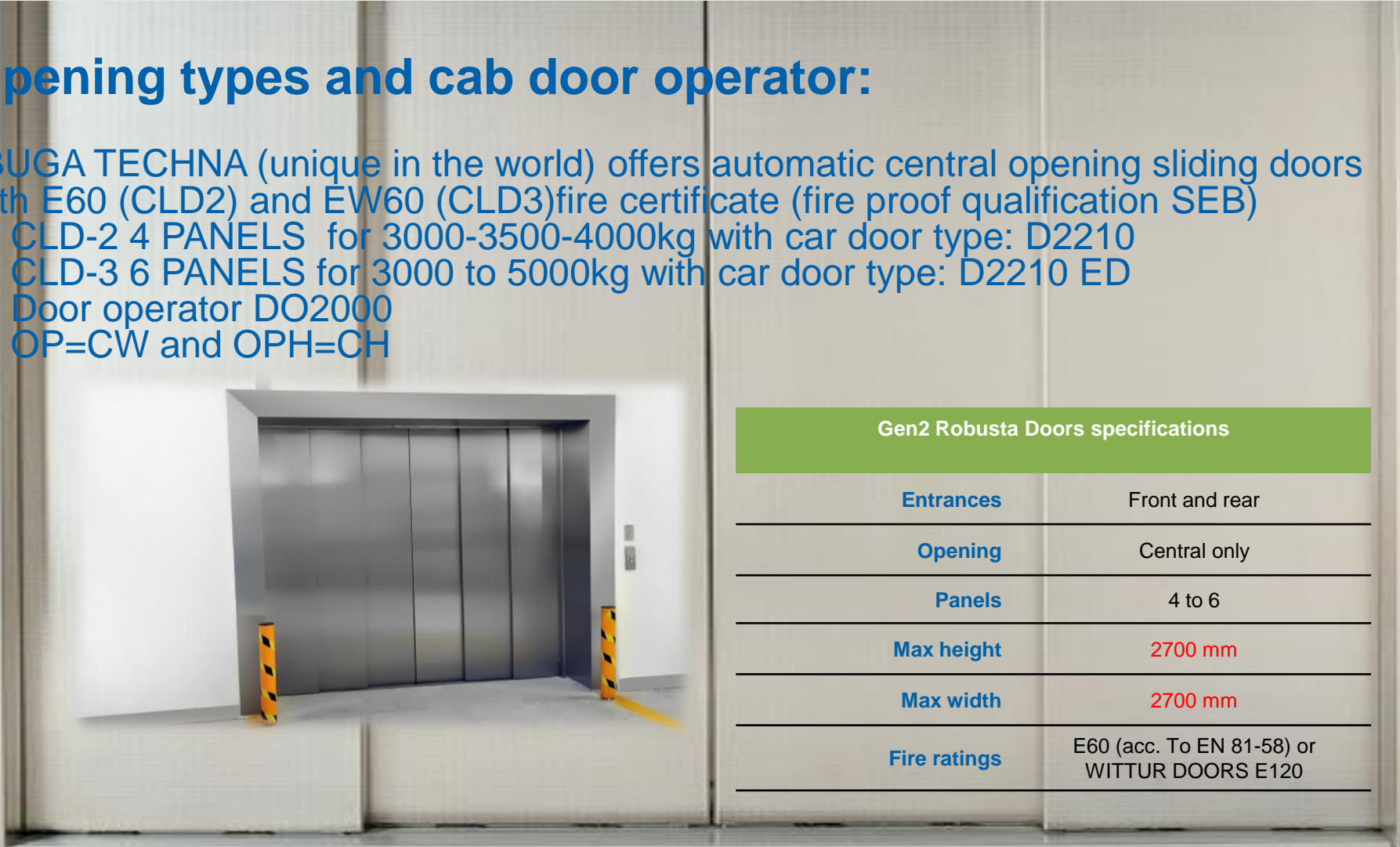


Wide doors

Opening types and cab door operator:

*BUGA TECHNA (unique in the world) offers automatic central opening sliding doors with E60 (CLD2) and EW60 (CLD3) fire certificate (fire proof qualification SEB)

- CLD-2 4 PANELS for 3000-3500-4000kg with car door type: D2210
- CLD-3 6 PANELS for 3000 to 5000kg with car door type: D2210 ED
- Door operator DO2000
- OP=CW and OPH=CH



Gen2 Robusta Doors specifications

Entrances	Front and rear
Opening	Central only
Panels	4 to 6
Max height	2700 mm
Max width	2700 mm
Fire ratings	E60 (acc. To EN 81-58) or WITTUR DOORS E120

Car ceiling

Fluorescent lighting (protection by plexiglass)

Flat without suspended ceiling

Car ventilation



Belts through hoistway

