The most adaptable elevator
Same space, greater capacity

This elevator is ideal for any project, both new construction and refurbished buildings

- **UP TO 50% MORE CAPACITY**
  From 4 to 6 passengers without construction work.

- **MINIMUM HOISTWAY DIMENSIONS**
  Possible to install or to replace an elevator in tight spaces. It can also be installed in hoistways with low pits or overhead clearances.
  Special configuration for elevators with two entrances at 90° and possibly panoramic elevators.

- **SAVINGS**
  Maximize energy efficiency by combining LED lighting, standby-mode and regenerative technology as standard.

- **AESTHETICS**
  Choose a design that compliments your project style with more than 400,000 custom combinations.
More passengers in the same space

**FROM 4 PASSENGERS**
CONVENTIONAL ELEVATOR

- Controller
- Machine
- Overspeed governor
- Guide rails
- Car for 4 passengers
- Counterweight at the rear
- Traditional steel ropes

**TO 6 PASSENGERS**
GEN2 FLEX+ ELEVATOR

- Machine room eliminated
- PULSE 24H System
- Flat belts
- Controller
- Car for 6 passengers
- Overspeed governor
- Guide rails at the side
- Counterweight at the side
- Guide rails at the side

**Up to 50% more capacity**

- Machine installed in the hoistway
- Possible:
  - Two entrances at 90°
  - Low pit
  - Panoramic elevator
  - Low overhead
Enjoy the technological advantages

**COMFORT**
The machine is 80% smaller than a conventional one, and thus allows it to be installed in the hoistway. You can use the machine room for another use as a cleaning room, lumber room etc.

The traditional ropes are replaced by flexible flat steel belts which provide a very smooth car operation and its variable frequency system guarantees starts and stops that are hardly noticeable.

**RELIABILITY AND SAFETY**
Thanks to the Pulse System, the flat belts are continuously monitored 24 hours a day, 7 days a week and last 3 times longer than traditional ropes.

The Gen2 Flex+ achieves outstanding stopping accuracy, making it easy to enter and exit the car and avoiding trips or falls.

**ENERGY SAVINGS**
The machine is up to 50% more efficient than a conventional geared machine.

The Gen2 Flex+ is equipped with a regenerative system, the ReGen Drive. In conventional elevator systems, the energy generated by the elevator is dissipated in the form of heat. The ReGen Drive is able to capture this energy and feed it back into the building grid, where it can be used to power other electrical components.

Led lighting, up to 80% savings when combined with standby features.

**SUSTAINABILITY**
The flat belts and the machine are lubrication-free, thus contributing to environmental protection.

**ENHANCED BUILDING**
Installing a Gen2 Flex+ elevator increases a building's value, makes the property more accessible and residents’ lives easier.
The Otis Gen2 Flex+ was engineered to fit into any type of hoistway and can be configured with the guide rails and the counterweight to one side or with the guide rails to both sides and the counterweight behind the car.

**TRACTION EQUIPMENT**
- Gearless sealed machine and permanent-magnet motor
- Traction by means of flat belts
- 2:1 configuration with cantilever type suspension

**TYPES OF DOORS**
- Automatic telescopic doors, centre-opening or semi-automatic BUS doors
- Equipped with a variable speed, digital control system, self-cleaning slotted sill and aluminium door track with protected roller system
- Stainless steel finish or prime coated steel ready for finishing

**ENTRANCES**
- One or two entrances (90° and 180°)

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### TECHNICAL DETAILS

#### Gen2 Flex+ specifications

**CONTROL**
- Closed loop, variable frequency

**CONTROLLER**
- Modular microprocessor control system, combined with an advanced variable frequency, variable voltage drive
- Located in the landing door column on the top floor. As an option, it can be installed at a distance of up to 20 metres
- Two-way communication and remote intervention system

**OPERATION**
- Simple automatic. Down collective. Selective collective
- Up to 3 elevators in a group

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**Duty Load (Kg)**

<table>
<thead>
<tr>
<th>Duty Load (Kg)</th>
<th>225 to 630</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passenger capacity</td>
<td>3 to 8 passengers</td>
</tr>
<tr>
<td>Speed (m/s)</td>
<td>1</td>
</tr>
<tr>
<td>Car dimensions (mm)</td>
<td>Width: 750 to 1250</td>
</tr>
<tr>
<td></td>
<td>Depth: 790 to 1500</td>
</tr>
<tr>
<td>Counterweight on side-wall</td>
<td>Width: 750 to 1250</td>
</tr>
<tr>
<td></td>
<td>Depth: 790 to 1500</td>
</tr>
<tr>
<td>Maximum number of stops</td>
<td>16</td>
</tr>
<tr>
<td>Maximum rise (m)</td>
<td>45</td>
</tr>
<tr>
<td>Cars in groups</td>
<td>Up to 3</td>
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<tr>
<td>Car entrances</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Counterweight safeties</td>
<td>Optional</td>
</tr>
<tr>
<td>Standard Power</td>
<td>380 - 400 - 415</td>
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<tr>
<td>Frequency (Hz)</td>
<td>50 - 60</td>
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<tr>
<td>Stopping accuracy (mm)</td>
<td>±3</td>
</tr>
</tbody>
</table>

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**Dimensions of controller cabinet**

- 2100mm high x 330mm wide x 95mm deep

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**Possibility of combining minimum overhead and minimum pit (consult measurements) Minimum pit 400/380 mm models with 1 entrance; consult Zardoya Otis for other models and for lower overhead clearances as well.**
**Natural and Modern Collections**

New car designs that combine distinct forms, materials, textures and lighting. Two different collections: Natural and Modern, each of which has three finishes Standard, Advanced and Premium.

The car interior uses indirect LED lighting integrated into the four corners, creating a sensation of space and depth, and stressing the textures of the materials used.

**eView**

The constant work carried out by OTIS in research and design to create products that bring safety and comfort to elevators has made eView a reality.

eView is an innovative audiovisual intercom specifically designed for elevators, a unique product on the market.

This device provides two-way communication with Otis’ 24-hour Service Centre by videoconference, offering passengers a greater feeling of comfort and security.

In addition, it acts as a broadcaster of general contents, news, weather forecasts, cultural information, etc.
Otis Elevator Company is the world’s largest manufacturer and maintainer of people-moving products including elevators, escalators and moving walkways. With headquarters in Farmington, Connecticut, Otis employs 60,000 people globally, offers products and services in approximately 200 countries and territories and maintains more than two million elevators and escalators worldwide. United Technologies Corp., based in Hartford, Connecticut, is a diversified company providing high technology products and services to the building and aerospace industries.