Designed for a world in motion

GEN2® STREAM

OTIS
Set your building apart

Whether helping busy commuters get to work or delighting people as they shop, your building should be a unique experience for anyone who steps inside. The Gen2 elevator system has the style, comfort and speed needed to ensure passengers experience your building to the fullest. With space-saving architectural features that maximise design freedom, Otis helps your building stand out.

OTIS GEN2 STREAM OVERVIEW

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum rise</td>
<td>150 m</td>
</tr>
<tr>
<td>Speed</td>
<td>1 – 3.5 m/s</td>
</tr>
<tr>
<td>Duty load</td>
<td>630 – 2500 kg</td>
</tr>
<tr>
<td>Maximum stops</td>
<td>50</td>
</tr>
</tbody>
</table>
When designing a building, space is at a premium. Gen2 technology is uniquely designed to be small enough to fit inside the hoistway – eliminating the need for a machine room. So whether you want to impress visitors with an expansive, seamless lobby or offer tenants a larger space, Gen2 gives you the space to be architecturally creative. And if you’re faced with architectural challenges such as moving large loads or dealing with dimensional constraints, our team will work with you to create a design solution for your unique project.

Limitless design possibilities

From modern to natural ambiances, Gen2 can be tailored to fit your architectural vision. Textures, classic materials and fittings offer virtually unlimited design flexibility for creating an inviting experience. Explore more than 400,000 options by visiting the online Otis cab configuration tool at cabcreate.otis.com.

NATURAL AMBIANCE
Wood, stone and leather materials create new-age designs inspired by architectural movements. This approach features smooth accents as seen in rounded corners, handrails and optional matching ceiling lights.

MODERN AMBIANCE
Metallic and glossy textures bring together high-tech style and timeless design. This contemporary approach features sharp forms as seen in squared corners, handrails and optional matching ceiling lights.

GLARE-FREE LIGHTING
Indirect light from car corners and control panels creates a comfortable environment for passengers.
Seamless intelligence

Gen2 connects your passengers with your building and with the world. From advanced onboard displays that you can personalise with information to smartphone apps that let passengers call an elevator from their phone, Otis helps you create a more seamless experience.

**EVIEW™ RESCUE MODE**
Emergency call with direct video link between an OTISLINE® customer service representative and passengers is available through the eView in-car display.

**ECALL™**
Summon an elevator from anywhere in the building – apartment, office or even on the move – with the eCall smartphone app.

**ONECALL™**
This destination keypad reduces hall and floor calls to the push of a single button. OneCall also provides accessibility functions such as extended door times and floor announcement.

**EVIEW NORMAL MODE**
In-car display delivers information, entertainment, community announcements, news and weather while en route to your destination. With a service plan, the display can be customised from any computer, tablet or mobile device using the eService™ customer portal.

Note: eView & eCall availability varies by country. Please contact your sales representative for more information.
A smarter way to move throughout your day

Even short moments of waiting can feel like a lifetime. Otis reimagined how to navigate seamlessly through your building. With CompassPlus destination dispatch, we put personalised technology at your passengers’ fingertips. CompassPlus creates an upscale, concierge-like experience that keeps everyone on the move.

IMPROVED TRAFFIC
SmartGrouping organises people to get them to their destinations up to 50 percent faster than conventional dispatching, while making minimal stops. This system adjusts dynamically based on your building’s needs throughout the day.

INTUITIVE DESIGN
Our CompassCreate™ software provides an array of eye-catching screen options that intuitively navigate people throughout the building.

SMARTPHONE ACCESS
Call your elevator even before you get to the elevator bank with the eCall smartphone app.

SECURITY
eCall can be integrated with any third-party building security system and accommodates both external and built-in security ID readers.

CUSTOMISATION
Personalise your passenger experience with custom messages – shown hourly, daily, weekly or for special occasions. And complement your building’s style with buttons, colors, fonts and imagery of your choice.
Your comfort is our focus

We sharpened our focus on speed and performance without compromising comfort. We reduced metal-on-metal contact and dampened vibrations to ensure the Gen2 ride is smooth and quiet.

**SWIFT MOVEMENT**
High-performance door operators and superior car acceleration allow passengers to enter and exit elevators more quickly.

**SMOOTH COATED STEEL BELTS**
The steel belts eliminate the noise created by the metal-on-metal contact from conventional steel ropes.

**LOW-NOISE GEARLESS MACHINE**
Mounted on isolation rubber pads, the low-noise gearless machine reduces vibration and minimises noise in adjacent rooms.
Reliable, as expected

Some of the world’s most distinguished buildings trust in Gen2 technology. Manufactured exclusively at our ISO-certified factories, the Gen2 system is the result of our most advanced thinking, global experience and deep engineering expertise. All so you can be sure of getting exceptional Otis performance day after day.

**PULSE**
The Pulse System continuously monitors the elevator’s coated steel belts to safeguard their integrity, ensuring safe, efficient operation and reduced inspection downtime.

**AUTOMATIC RESCUE OPERATION**
Battery-powered systems deliver passengers safely to the nearest floor during a power failure.

**ENHANCED SEISMIC PROTECTION**
Coated steel belts and a uniquely designed machine sheave work together to provide greater stability during seismic activity.

‘MADE IN OTIS’
From taking travelers to their next adventure to helping commuters move about their day, Otis moves billions of people to their destinations. Our facility in Gien, France, is one of our global manufacturing centers of excellence, serving customers across the world. From this state-of-the-art facility we innovate, test and improve the Otis equipment you’ll find in some of the world’s most iconic buildings.
Create a lasting experience

Whatever your sustainability goals – from designing net-zero buildings to managing your energy efficiency – Gen2 is engineered to meet your needs.

**LED LIGHTING**

- longer lifespan of Gen2 LED lighting compared to conventional fluorescent lamps.

**LUBRICATION**

- coated steel belt and machine lubrication needed, providing for a cleaner hoistway and elevator environment.

**LOW-VOLTAGE ARCHITECTURE**

- less energy consumed when employing standby mode – which also helps protect mechanics during maintenance.

**REGEN™ DRIVE**

- more efficient than conventional geared systems with non-regenerative drives, while providing clean power to help run other building systems.

**SLEEP MODE**

- more efficient LED energy usage with sleep mode – lights and fans shut down when not in use and are automatically restarted with the touch of a button.

**SLEEP MODE**

- more efficient LED energy usage with sleep mode – lights and fans shut down when not in use and are automatically restarted with the touch of a button.
We’re with you from concept to completion

Creating a unique experience for tenants and customers takes a lot of thought, planning and coordination. Thankfully, you don’t have to do it alone. For over 160 years, we’ve helped customers all around the world reach new heights while helping billions of passengers arrive at their destinations every day. So from detailed project planning to ongoing service, we’re here to help you every step of the way.

**PROJECT DESIGN**
We consider architectural solutions, traffic analysis, product specifications and value engineering to help craft and deliver on your vision.

**SPECIALISED INSTALLATION PLANNING**
Our team helps at every step of the installation process, from coordinating contractors to monitoring specialised safety reviews to delivering a smooth handover when the project is complete.
A commitment to exceptional service

We know what it takes to keep people moving safely and smoothly. Our founders were dedicated to delivering extraordinary service, and today we’re continuing that promise with personalised and imaginative ways to meet our customers’ every need.

Benefit from the industry’s leading service offering, featuring 24/7 dedicated customer support through OTISLINE®, more intuitive access to information with the eService customer portal and our personal commitment to always put your needs first.

WE EARN YOUR TRUST — EVERY DAY
Our mechanics see your building as their own. With a global team of more than 30,000, we work around the clock to keep your equipment operating like new. The result is truly personalised service that ensures we build your trust over the lifetime of your equipment.

TURNING DATA INTO ACTION
As one of the first elevator companies to use big data and predictive analytics to improve performance, we’re experts at getting the most out of emerging technology. Our digital ecosystem uses the “internet of things” and mobility tools to predict and diagnose issues before they occur. All this to stay ahead of your needs and to deliver a personalised passenger experience.
### TECHNICAL DETAILS

**Standard equipment**

**TRACTION**
- Gearless machine with synchronous permanent magnet motor
- Radial low inertia design
- 240 starts/hour in peak abilities

**CONTROL & POWER**
- Modular microprocessor system
- Closed loop, variable frequency and voltage
- Regenerative drive with +/- 3 mm stopping accuracy
- Standby mode
- LED lightning in car and for hall fixtures

**MONITORING**
- Automated rescue operation
- Pulse 24/7 belt integrity monitoring system
- Two-way communication and remote intervention system with cellular 3G option

**ROPING**
- 2:1 overslung configuration
- All moving elements integrated in the top of the high-resistance steel frame in charge of absorbing mechanical constraints

**SUSPENSION**
- Stainless steel polyurethane-coated belts instead of conventional ropes
- Lubrication free
- Life duration twice as long as conventional ropes

**DOORS**
- Variable speed high-traffic door operator 240 starts/hours in peak
- EN81-58 fire resistant
- Reinforced self-cleaning slotted sill and aluminum door track with protected roller system
- Car door lock compatible

**PREMIUM RIDE QUALITY**
- High-speed friction rollers with compensating bumpers
- A class rails
- Reinforced rails attachments
- Down to 50 dBA noise and 10 milli-g vibrations in car

**LANDING FIXTURES**
- Flat or flush mounting
- In-car lintel or wall mounting
- Brushed, mirror or gold stainless steel finishes

### Main options

**PANORAMIC**
- Full glass car
- Full glass hoistways
- Compatible with outside installation for infrastructure projects

**DOORS**
- Landing or hoistway installation
- Full frame, small frame or no frame options
- Glass or full glass

**FULL CUSTOMISATION**
- Variable dimensions
- Special car lining and doors
- High-constraint environment
- Our team stays at your disposal to make your project possible

---

**OTIS Exclusive**
## TECHNICAL DETAILS

### Gen2 specifications (1 - 2,5 m/s)

#### Body load

<table>
<thead>
<tr>
<th>Duty load</th>
<th>600</th>
<th>800</th>
<th>1000</th>
<th>1200</th>
<th>1400</th>
<th>1600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passenger capacity</td>
<td>8</td>
<td>10</td>
<td>12</td>
<td>13</td>
<td>17</td>
<td>21</td>
</tr>
</tbody>
</table>

#### Size

<table>
<thead>
<tr>
<th>Number of entrances</th>
<th>Deep</th>
<th>Wide</th>
<th>Wide</th>
<th>Deep</th>
<th>Wide</th>
<th>Wide</th>
<th>Deep</th>
<th>Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed (m/s)</td>
<td>1</td>
<td>1.6</td>
<td>1.75</td>
<td>2</td>
<td>2.5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Counterweight catheter

<table>
<thead>
<tr>
<th>With or without</th>
<th>Deep</th>
<th>Wide</th>
<th>Deep</th>
<th>Wide</th>
<th>Deep</th>
<th>Wide</th>
<th>Deep</th>
<th>Wide</th>
</tr>
</thead>
</table>

#### Hoistway dimensions (mm)

| Width (mW) | 1100 | 1350 | 1450 | 1100 | 1400 | 1200 | 2000 | 1400 | 2000/2100 |
| Depth (WTW) | 1700 | 1950 | 1860 | 2050 | 2460 | 2160 | 2500 | 2640 | 2100/2650 |

#### Car dimension (mm)

| Depth (CD) | 1400 | 1400 | 1500 | 2100 | 1400 | 2460 | 1700 | 1600 |

#### Door dimension (mm)

<table>
<thead>
<tr>
<th>Opening height (DPH)</th>
<th>2000/2100</th>
<th>2000/2100/2200/2300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telescopic (TL4D)</td>
<td>800/900</td>
<td>900/900</td>
</tr>
<tr>
<td>Center 2 panels (CLD)</td>
<td>830/920</td>
<td>900/900</td>
</tr>
<tr>
<td>Center 4 panels (CLD2)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Top of car balance (mm)

| 1100 |

#### Standard overhead (for CH = 2200)

| Top of car balance (mm) | 1100 |

#### Maximum number of stops

| 24 |

#### Cars in group

| Up to 5 |

#### Standard power (V)

| 380 - 400/415 |

#### Frequency (Hz)

| 50/60 |
**Gen2 specifications (3 - 3,5 m/s)**

<table>
<thead>
<tr>
<th>Duty load</th>
<th>900</th>
<th>1000</th>
<th>1275</th>
<th>1600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passenger capacity</td>
<td>12</td>
<td>13</td>
<td>17</td>
<td>21</td>
</tr>
<tr>
<td>Size</td>
<td>Wide</td>
<td>Deep</td>
<td>Wide</td>
<td>Deep</td>
</tr>
<tr>
<td>Number of entrances</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed (m/s)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Counterweight shafts

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>2100 (LTD)</th>
<th>2200 (LTD)</th>
<th>2300 (LTD)</th>
<th>2100 (LTD)</th>
<th>2200 (LTD)</th>
<th>2300 (LTD)</th>
<th>2100 (LTD)</th>
<th>2200 (LTD)</th>
<th>2300 (LTD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 (CLD)</td>
<td>1900 (CLD)</td>
<td>1900 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
<td>1860 (CLD)</td>
</tr>
<tr>
<td>2400 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
<td>2600 (CLD)</td>
</tr>
<tr>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
</tr>
<tr>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
</tr>
<tr>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
</tr>
</tbody>
</table>

### Hoistway dimensions

<table>
<thead>
<tr>
<th>Depth (WTD)</th>
<th>1800 (LTD)</th>
<th>2060 (LTD)</th>
<th>2400 (LTD)</th>
<th>2600 (LTD)</th>
<th>3000 (LTD)</th>
<th>3200 (LTD)</th>
<th>3400 (LTD)</th>
<th>3600 (LTD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1800 (CLD)</td>
<td>2110 (CLD)</td>
<td>2490 (CLD)</td>
<td>2510 (CLD)</td>
<td>2510 (CLD)</td>
<td>2510 (CLD)</td>
<td>2510 (CLD)</td>
<td>2510 (CLD)</td>
<td>2510 (CLD)</td>
</tr>
<tr>
<td>2400 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
<td>2660 (CLD)</td>
</tr>
<tr>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
<td>1750 (CLD)</td>
</tr>
<tr>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
<td>1500 (CLD)</td>
</tr>
<tr>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
<td>1000 (CLD)</td>
</tr>
</tbody>
</table>

### Car dimensions

<table>
<thead>
<tr>
<th>Width (CW)</th>
<th>1400</th>
<th>1100</th>
<th>1600</th>
<th>1200</th>
<th>2000</th>
<th>1400</th>
<th>2000</th>
<th>2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth (CD)</td>
<td>1500</td>
<td>2100</td>
<td>1400</td>
<td>2300</td>
<td>1400</td>
<td>2400</td>
<td>1700</td>
<td>1600</td>
</tr>
</tbody>
</table>

### Door dimensions

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>1000</td>
<td>1100</td>
<td>1300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900</td>
<td>900</td>
<td>1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900</td>
<td>900</td>
<td>1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Center 4 panels (CLD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Top of car balustrade (mm)

<table>
<thead>
<tr>
<th>Top of car balustrade (mm)</th>
<th>1100</th>
</tr>
</thead>
</table>

### Standard overhead (for Cl = 2400) (mm)

<table>
<thead>
<tr>
<th>Standard overhead</th>
<th>5340</th>
</tr>
</thead>
</table>

### Maximum number of stops

50 / 32 (for COP)

### Minimum rise (m)

150

### Cars in group

Up to 8

### Standard power (V)

380 - 400 / 415 - 440 / 460

### Frequency (Hz)

50 - 60

---

DIN7951-2 & 50 Compliant dimensions. Please contact your local sales representative depending on configurations for detailed specifications.
Otis Elevator Company is the world's leading manufacturer and maintainer of people-moving products including elevators, escalators and moving walkways. With headquarters in Farmington, Connecticut, Otis employs 68,000 people globally. Founded 165 years ago by the inventor of the safety elevator, Otis offers products and services in approximately 200 countries and territories and maintains two million elevators and escalators worldwide. Otis is a unit of United Technologies Corp., a diversified company providing high technology products and services to the building and aerospace industries. For more information, visit www.otis.com or follow Otis on LinkedIn, YouTube and as @OtisElevatorCo on Twitter, Facebook and Instagram.