Building technology for the real world.
Technology that’s designed to work for you.

Special power requirements. Subcontractor’s schedules. Frequent power outages. There are many things to consider when installing and operating an elevator in your residential building, whether it’s new construction or a retrofit. The innovative technology of the Gen2 Switch elevator makes it an easy decision.

Safe when power fails: Gen2 Switch has a battery, so it works even when the power doesn’t.

Simple to install: All you need is a regular power outlet, no special three-phase power.

More sustainable: Regenerated energy goes right back into the battery, ready for the next run.
The reason we remember Elisha Otis isn’t for inventing an elevator. No, his legacy is built on making the elevator safe. The next generation of that legacy is now available: the Gen2 Switch system, an elevator powered by a battery.

A battery means convenience without fear. No being stranded or trapped if the power goes out. No facing flight after flight of stairs with a giant load of groceries. And if you have a disability, you’ll rest easy knowing you can always access your home.
Sometimes it’s not the space for an elevator that’s the challenge. It’s all the things that go with the elevator: A special power supply. A machine room. Coordinating between trades.

The Gen2 Switch system does away with all of that — all you have to do is plug it in. No three-phase power, no machine room, and no control room. The entire system installs rapidly, then plugs in.

Simpler

In many buildings, a spare stairwell can be easily converted to a Gen2 Switch elevator.

ALL YOU NEED IS AN OUTLET
The Gen2 Switch system is the culmination of decades of elevator efficiency improvements. Our most efficient elevator to date, it is 81% more efficient than a conventional elevator.

From the gearless machine to the LED lights and standby systems, each part in the Gen2 Switch is designed for maximum efficiency. And its battery technology both captures energy from its regenerative drive, and makes the Gen2 Switch renewable-power ready.
The Otis name
We never stop making elevators more reliable. Long-lasting belts, minimal moving parts and now a battery to protect you against what we can’t control.

No machine room or control room
The Gen2 Switch system’s patented flat belts and compact machine take up less space. Even the controller is compact enough to mount in the hoistway. For you, that means no machine room and more rentable building space.

Streamlined installation
No need to add three-phase power just for your elevator, and no need to coordinate between elevator and electrical power installation contractors.

The new standard for green
Gen2 Switch elevators come standard with today’s most innovative sustainable features.

A ReGen® drive to capture waste energy and return it to the battery.

An ultra-efficient compact, gearless machine.
LED lighting and an advanced sleep mode.
A patented coated-steel belt that needs no lubrication.
REASONS TO SWITCH

Plugs right in
Gen2 Switch uses single-phase power so you don’t have to install three-phase power – or wait for its installation – just for an elevator.

Renewable-ready
Gen2 Switch’s battery system lets it take advantage of fluctuating energy supplies such as wind and solar power. And the battery, made of 97% recycled materials, is itself 90% recyclable.

No interruptions
If the power fails, Gen2 Switch elevators transition smoothly from the grid to battery power. Passengers won’t realize the power is out until they reach their destination.

Highest VDI rating
With a Class A rating*, the Gen2 Switch has earned the highest possible energy-efficiency rating according to VDI 4707 standards.

ReGen assist
Regenerated energy from the elevator system feeds back into the battery, even during a blackout, extending the battery’s life.

Convenient
For up to 100 runs, your elevator will work normally even without power. It delivers reassurance for elderly or disabled residents and convenience for everyone.

Perfect pace
Gen2 Switch has a variable speed functionality, to limit energy consumption without limiting passenger comfort. Depending on the car load, travel direction and travel length, speed varies from 0.63m/s to 1m/s.

Less power means less power
Since it uses a level of installed power that’s 18 times less than a standard gearless elevator, Gen2 Switch uses less power overall, leading to lower bills.

Energy Consumption (kWh)

<table>
<thead>
<tr>
<th>Elevator Type</th>
<th>33%</th>
<th>66%</th>
<th>85%</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gearless Elevator</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEARED ELEVATOR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HYDRAULIC ELEVATOR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*480 kg or 600 kg/18 m rise / 1 mps / usage category 1

Otis Elevator Company
Whether we installed it last week or last century, our name is on every product – so we make sure our service stands behind it. Innovative technologies help us anticipate problems, identify them precisely and repair them quickly.

**PULSE®**

The Pulse system provides safety and peace of mind with 24/7 monitoring of the Gen2 Switch’s coated-steel belts. It provides advance notice of belt wear by detecting the slightest weakness.

**Otis service**

Otis maintenance management system predicts and prevents problems. You’ll have fewer service calls and less downtime than on any other plan in the industry.

**eService mobile**

Get instant access, wherever you are, to both your Otis team and your elevators’ metrics with our smartphone app. Make and track service requests, or see your performance dashboard.

---

**OTIS ELITE™**

Otis Elite service lives up to its name with industry-leading response time from experts who can remotely diagnose and update your elevator.

**Technical Specifications**

**Traction equipment**

<table>
<thead>
<tr>
<th>Type</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>c = 9.1H/S</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
</tbody>
</table>

**Controller**

- c = 9.1H/S & 2V: Variable frequency drive
- c = 9.1H/S: Regenerative drive

**Operation**

- Simple automatic or down collective
- Up to 2 elevators in a group

**Types of doors**

- Automatic, telescopic doors
- Equipped with a variable speed, digital control system, self-cleaning slot sill and aluminum door track with protected roller system
- Stainless steel or primed, ready-to-paint finish

**Entrances**

- One or two entrances

**Maximum Rise**

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>c = 9.1H/S 2V</td>
<td>500 m (166 ft)</td>
</tr>
<tr>
<td>c = 9.1H/S 2V</td>
<td>750 m (246 ft)</td>
</tr>
</tbody>
</table>

**Door opening**

- Side opening: 700, 800, 900 mm
- Optional: 1000 mm

**Availability**

- Optional: 3.000, 3.500, 4.000

**Dimensions**

- Door height: 2700 mm
- Car height: 2000 mm
- Overhead: 3000 mm
- Availability: Optional

---

**power supply**

- AC: 220V-240V, 50Hz
- DC: 24V, 110V

**Dimensions**

- Car: 2000 x 1000 mm
- Hoistway: 2000 x 1000 mm
- Traction equipment: 9.1H/S & 2V

---

**Vertical Section**

- One telescoping door entrance

---

**Pulse System**

- The Pulse system provides safety and peace of mind with 24/7 monitoring of the Gen2 Switch’s coated-steel belts. It provides advance notice of belt wear by detecting the slightest weakness.

---

**OTIS ELITE™**

Otis Elite service lives up to its name with industry-leading response time from experts who can remotely diagnose and update your elevator.

---

**eService mobile**

Get instant access, wherever you are, to both your Otis team and your elevators’ metrics with our smartphone app. Make and track service requests, or see your performance dashboard.

---

**Technical Specifications**

**Traction equipment**

<table>
<thead>
<tr>
<th>Type</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>c = 9.1H/S</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
<tr>
<td>c = 9.1H/S &amp; 2V</td>
<td>0.63m/s to 1.0m/s variable speed</td>
</tr>
</tbody>
</table>

**Controller**

- c = 9.1H/S & 2V: Variable frequency drive
- c = 9.1H/S: Regenerative drive

**Operation**

- Simple automatic or down collective
- Up to 2 elevators in a group

**Types of doors**

- Automatic, telescopic doors
- Equipped with a variable speed, digital control system, self-cleaning slot sill and aluminum door track with protected roller system
- Stainless steel or primed, ready-to-paint finish

**Entrances**

- One or two entrances

**Maximum Rise**

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>c = 9.1H/S 2V</td>
<td>500 m (166 ft)</td>
</tr>
<tr>
<td>c = 9.1H/S 2V</td>
<td>750 m (246 ft)</td>
</tr>
</tbody>
</table>

**Door opening**

- Side opening: 700, 800, 900 mm
- Optional: 1000 mm

**Availability**

- Optional: 3.000, 3.500, 4.000

**Dimensions**

- Door height: 2700 mm
- Car height: 2000 mm
- Overhead: 3000 mm
- Availability: Optional

---

**power supply**

- AC: 220V-240V, 50Hz
- DC: 24V, 110V

**Dimensions**

- Car: 2000 x 1000 mm
- Hoistway: 2000 x 1000 mm
- Traction equipment: 9.1H/S & 2V

---

**Vertical Section**

- One telescoping door entrance

---

**Pulse System**

- The Pulse system provides safety and peace of mind with 24/7 monitoring of the Gen2 Switch’s coated-steel belts. It provides advance notice of belt wear by detecting the slightest weakness.
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 more than 200 countries and territories and maintains over 1.7 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.

Join Otis on our journey to The Way to Green

The Way to Green is about our commitment to continually moving our company and our customers forward.

The Gen2 Switch elevator and its energy-efficient features can help your building achieve Leadership in Energy and Environmental Design (LEED) and Building Research Establishment Environmental Assessment Method (BREEAM) certification.

We recognize that The Way to Green is an ongoing effort. But with the commitment of our people and our resources around the world, we know we can move our company, our suppliers and our customers closer to a shared goal of using greener products, services and solutions.

Otis Elevator Company
A United Technologies Company

OTIS.com