

# OTIS

INFRASTRUCTURE SOLUTIONS

## ABOUT OTIS

Otis gives people freedom to connect and thrive in a taller, faster, smarter world. The global leader in the manufacture, installation and servicing of elevators and escalators, we move 2.3 billion people a day and maintain approximately 2.3 million customer units worldwide – the industry's largest Service portfolio. You'll find us in the world's most iconic structures, as well as residential and commercial buildings, transportation hubs and everywhere people are on the move. Headquartered in Connecticut, USA, Otis is 71,000 people strong, including 42,000 field professionals, all committed to meeting the diverse needs of our customers and passengers in more than 200 countries and territories. To learn more, visit [www.otis.com](http://www.otis.com) and follow us on LinkedIn, Instagram and Facebook @OtisElevatorCo



# Otis Public Escalator

A HEAVY-DUTY, DYNAMIC ESCALATOR SOLUTION FOR INFRASTRUCTURE PROJECTS

# OTIS

[www.otis.com](http://www.otis.com)  
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The world's population is more than eight billion and counting. This is impacting the pace of urbanization and increasing the need for high-performance infrastructure to ensure easy, fluid mobility in the heart of our cities. Safe, reliable and durable, our Public Escalators are designed to meet the demands of high-traffic areas such as airports, subways and busy transport hubs – everywhere that people are on the move.

## Why choose Otis Public Escalators?



**Safety you can trust**



**Experience technology-driven reliability**



**Boost sustainability**



**Bring your passenger experience to the next level**



**Minimize the unexpected**



### OTIS PUBLIC ESCALATOR MAIN SPECIFICATIONS

- ◆ **Max rise**  
15 m or 20 m\*
- ◆ **Step width**  
1000 mm,  
800 mm
- ◆ **Inclination**  
30°, 27.3°
- ◆ **Balustrade**  
Opaque, glass
- ◆ **Step chain**  
Inside or  
outside roller\*
- ◆ **Applications**  
Indoor,  
semi-outdoor,  
outdoor

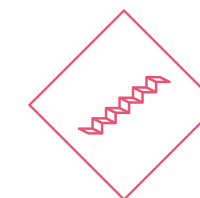
\*Based on model 515NPE vs 520NPE





## Safety you can trust

Our products are engineered to exceed the most stringent safety regulations in the industry. The design of our public escalators goes beyond industry standards to provide your passengers with a safe and smooth ride.



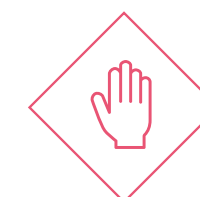
### INNOVATIVE MINI MOVING SKIRT

Industry-first, specially designed barrier placed on both the step and step riser to reduce the risk of objects getting caught in the escalator.



### STEP SAFETY SYSTEM

Engineered to keep escalator steps firmly on their tracks by limiting any irregular movement during operation.



### ANTIBACTERIAL HANDRAIL SOLUTIONS

Reassure your passengers about the cleanliness and hygiene of your escalators with 3 cleaning solutions that can be combined based on your project's needs. All options are integrated into the truss and can be programmed to operate, as needed.

- ◆ Automatic handrail cleaner – sanitize handrails while removing visible dirt and grime.
- ◆ UV Sterilizer – automatically sterilize with a UV light.
- ◆ Antimicrobial handrails – handrail material inhibits and kills common bacteria.





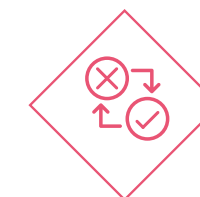
## Experience technology-driven reliability

The Otis Public Escalator's robust design and performance is engineered to go above and beyond industry requirements. It has undergone 20 million dynamic load tests to confirm its endurance - 4 times more than the industry standard. We integrate smart, connected innovations that make everyday travel seamless, efficient and reliable.



### SMART, PROACTIVE CONTROL SYSTEM

Captures up to 60 fault codes to proactively address potential issues and reduce downtime and stores up to 2,000 historical fault records for quick data analysis. When your escalator is paired with the Otis ONE™ IoT solution, you receive real-time data and predictive insights via a mobile application. Otis Public Escalator is Electromagnetic Compatibility (EMC) certified, which means its operations will not be disrupted by other nearby signals or systems such as trains.



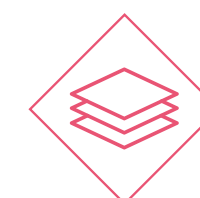
### SELF-ADJUSTING HANDRAIL SYSTEM

Reduce one of the most common maintenance reasons for stopping the escalator with our self-adjusting system, controlled by a real-time monitoring device.



### IP55 RATED

Protect your motor from harsh outdoor elements and pressure washing in indoor environments. An Ingress Protection (IP) 55 rating demonstrates strong protection against dust and moisture.



### SQUARE TUBE TRUSS STRUCTURE

Increases the strength and stability of your equipment over traditional truss systems, while sealed welding technology eliminates the chance of corrosion developing the inner truss wall.





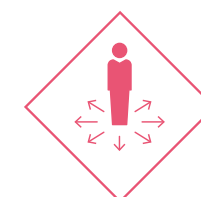
# Boost sustainability

Environmental, Social and Governance (ESG) is integral to setting our vision in motion and embedded in our long-term strategy. The Otis Public Escalator is designed to support your efforts to reduce the environmental footprint of your building.



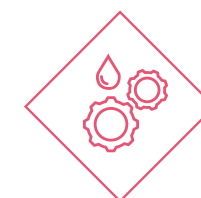
## HIGH-PERFORMANCE MOTOR

Meets the IE3 standard, with a gearbox efficiency of as much as 95%.



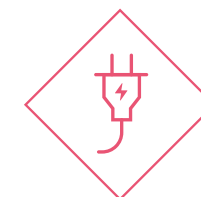
## PASSENGER-SENSING SLEEP MODE OPERATION

Efficiently transition between sleep mode and full operation with our 3D sensor technology that detects approaching passengers.



## INTELLIGENT LUBRICATION SYSTEM

Automatically adjusts at each lubrication point, saving more than 80% of oil compared to manual lubrication, while also preventing oil leakage.



## ENERGY CONSUMPTION GRADE

Boost your building's energy efficiency with an A+++\* energy consumption grade during use.

\*Based on ISO25745-3:2015



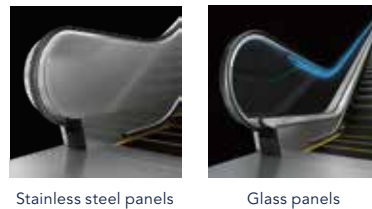


# Bring your passenger experience to the next level

Otis Public Escalator helps create the engaging, stylish and vibrant atmosphere you want in your building for your visitors. Otis offers a variety of customizable aesthetic options to match your infrastructure project and budget.

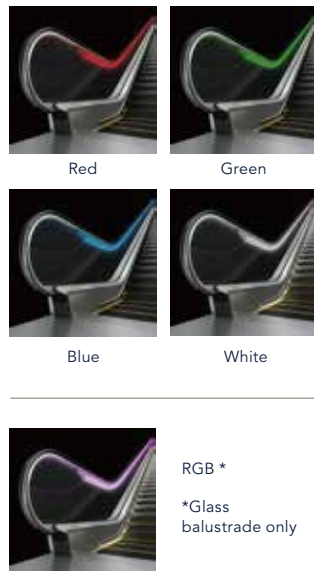
## BALUSTRADE OPTIONS

Choose from a glass, a slim stainless-steel, or a sloped opaque stainless-steel balustrade to match the look and feel of your project.



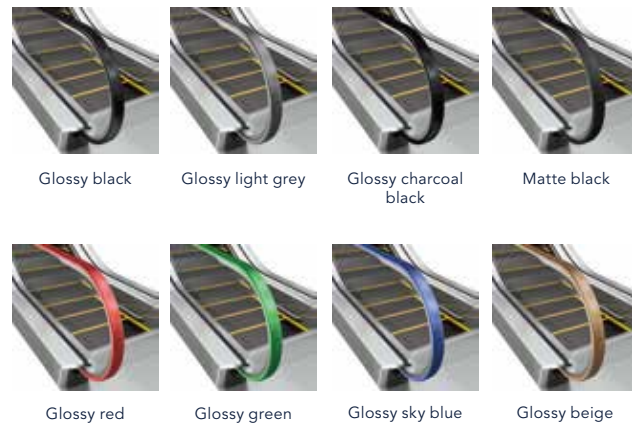
## CUSTOMIZABLE LED LIGHTING

Create a one-of-a-kind experience. Choose from a variety of colors for glass balustrades with our RGB color option and create lighting effects using a mobile application to suit different occasions. Choose from white, red, green, or blue standalone colors for skirt panels and/or the skirt brush.



## COLORED HANDRAILS

We offer a variety of handrail material colors to help you create a color harmony in your space that your visitors will appreciate.

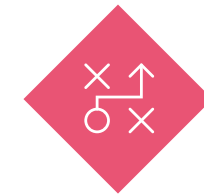


## TRAFFIC FLOW LIGHTS

Featuring a unique fishbone-pattern design, these lights provide an aesthetically pleasing option for passenger traffic direction.



OTIS PUBLIC ESCALATOR



# Minimize the unexpected

Having completed numerous infrastructure projects across the globe, including in some of the most recognizable buildings and busiest transportations hubs, we understand that your project is unique. With Otis, you can rely on seamless project execution. From the initial stages of capital planning and detailed compliance reviews to the installation and ongoing operations of your new escalator, including scalable modernization options when time to upgrade your system, Otis is here to support you every step of the way.

No matter how complex your project, it will be designed, developed and manufactured by our in-house experts. From start to finish, they will partner with you so you can get the best technical solution, while relying on efficient planning and project management.

**Discover how we keep the world moving**

To learn more about some of our key infrastructure projects around the world visit [otis.com](https://www.otis.com) | [our company](#) | [global projects](#)