



TK MOVE
BEYOND

TK ELEVATOR
Corporate presentation

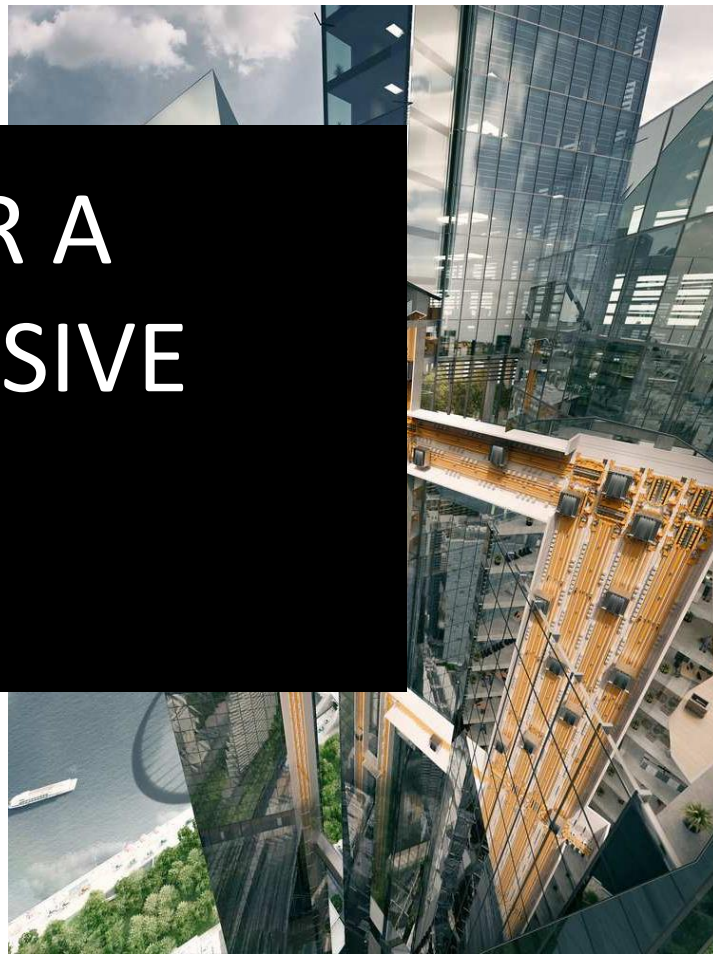


AT TK ELEVATOR
WE PROVIDE
INNOVATIVE
PRODUCT
SOLUTIONS, ...





... AND OFFER A
COMPREHENSIVE
PRODUCT
PORTFOLIO



TKE

SERVICE
IS AT THE HEART
OF
OUR BUSINESS



TKE



1.5 MN
UNITS UNDER
MAINTENANCE





COMPETITIVE EDGE
THROUGH DIGITAL
SOLUTIONS

MAX
AGILE



WE ARE LOCAL

WHICH MAKES US

BIG



Sales

> 8 bn€

Employees

> 50k

TKE

striving for
**HIGHEST
QUALITY**

TKE

Sustainability

IS MORE

than about climate





TK ELEVATOR COMMITMENT:

REDUCE

own carbon footprint

by **25%**
until 2030





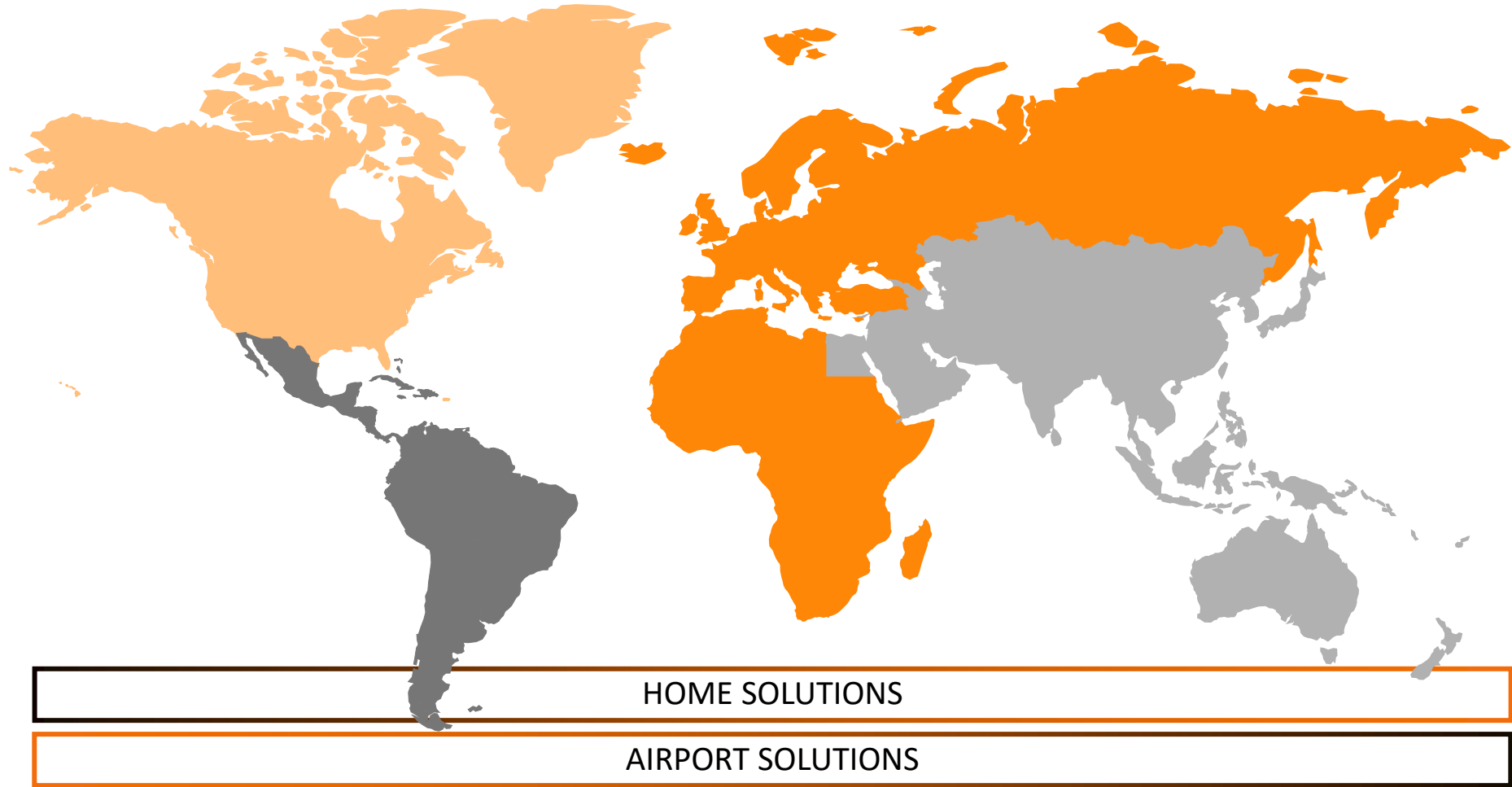
TK ELEVATOR COMMITMENT:

SIGNATORY OF UN GLOBAL COMPACT

since February 2021

Supporting United Nation's initiative against human rights and labor violations, the fight against corruption and for a more sustainable future.

BUSINESS STRUCTURE



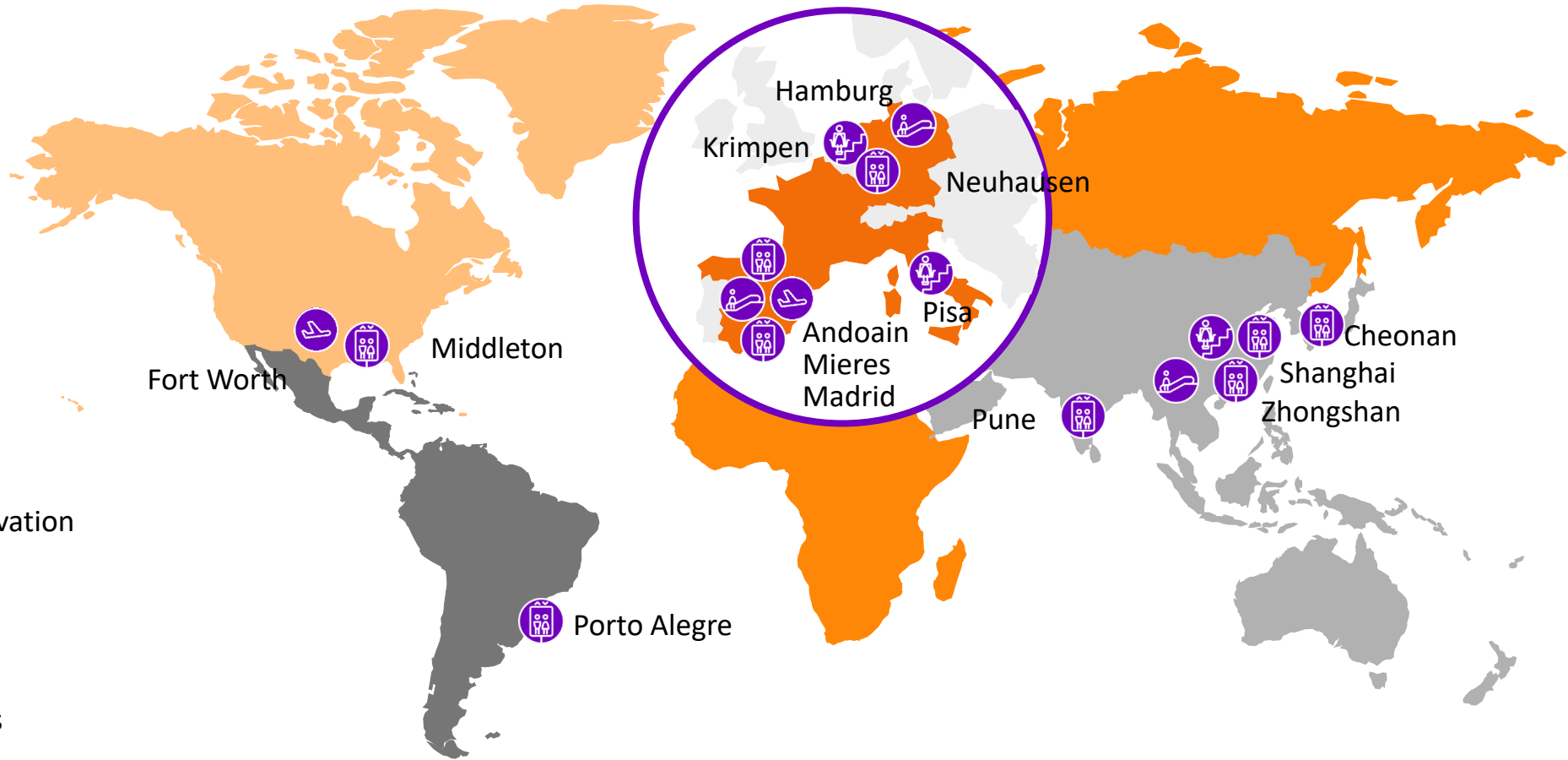
North America






Europe Africa

Asia Pacific

Latin America

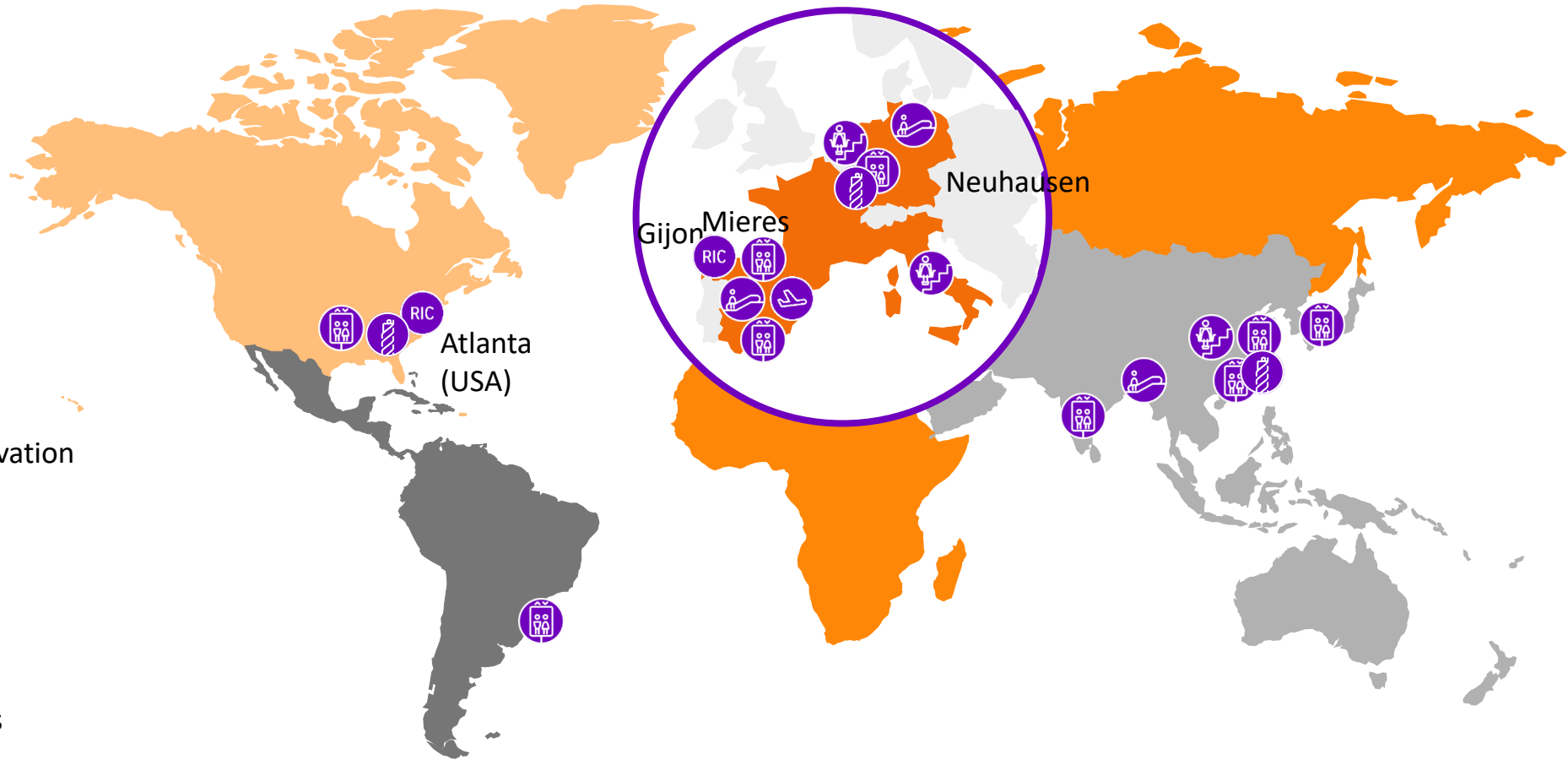
WORLDWIDE MANUFACTURING









-  RIC Research & Innovation
-  Elevators
-  Escalators
-  Airport Solutions
-  Home Solutions



R&D NETWORK



-  Research & Innovation
-  Test tower
-  Elevators
-  Escalators
-  Airport Solutions
-  Home Solutions

TEST TOWERS – OUR GLOBAL INNOVATION CENTERS

ATLANTA/GEORGIA
(USA)



ZHONGSHAN
(CHINA)



ROTTWEIL
(GERMANY)



Opening Year

2021

2018

2017

Height

128m / 420 feet

248m / 813 feet

246m / 807 feet

No. of shafts

18 shafts

13 shafts

12 shafts



URBANIZATION IS THE
MAIN GROWTH DRIVER
OF THE E&E INDUSTRY

URBANIZATION

> 200k

people are moving to cities every day¹

> 900k

new elevators and escalators installed each year²

1. United Nations. 2018 Revision of the World Urbanization Prospects | 2. Excl. Japan; t&E, IHS, Freedonia, Oxford Economics, EIU, industry associations, industry reports/experts, broker research, BCG.



WITHIN CITIES THERE IS AN INCREASING DEMAND FOR BETTER ACCESS

Higher number of installed E&E units due to...

... increased demand for
access and convenience

... **renovation** activities

... large-scale infrastructure and urban living
projects

... demand for
innovative products

Moscow (Russia)



INCREASING CUSTOMER DEMAND AND REGULATION DRIVE CONTINUOUS SERVICE GROWTH

Sophistication & Digitalization



Safety & Convenience



KEY SERVICE DRIVERS

 **3.9%**
Expected Service market growth


Regulation


Appreciation for service quality

Source: tKE, IHS, Freedonia, Oxford Economics, EIU, industry associations, industry reports/experts, broker research, BCG. | Note: market size based on sales estimates. | Note: Excl. Japan.



OUR PLATFORM FOR GROWTH

18 mn

elevators and escalators
move more than

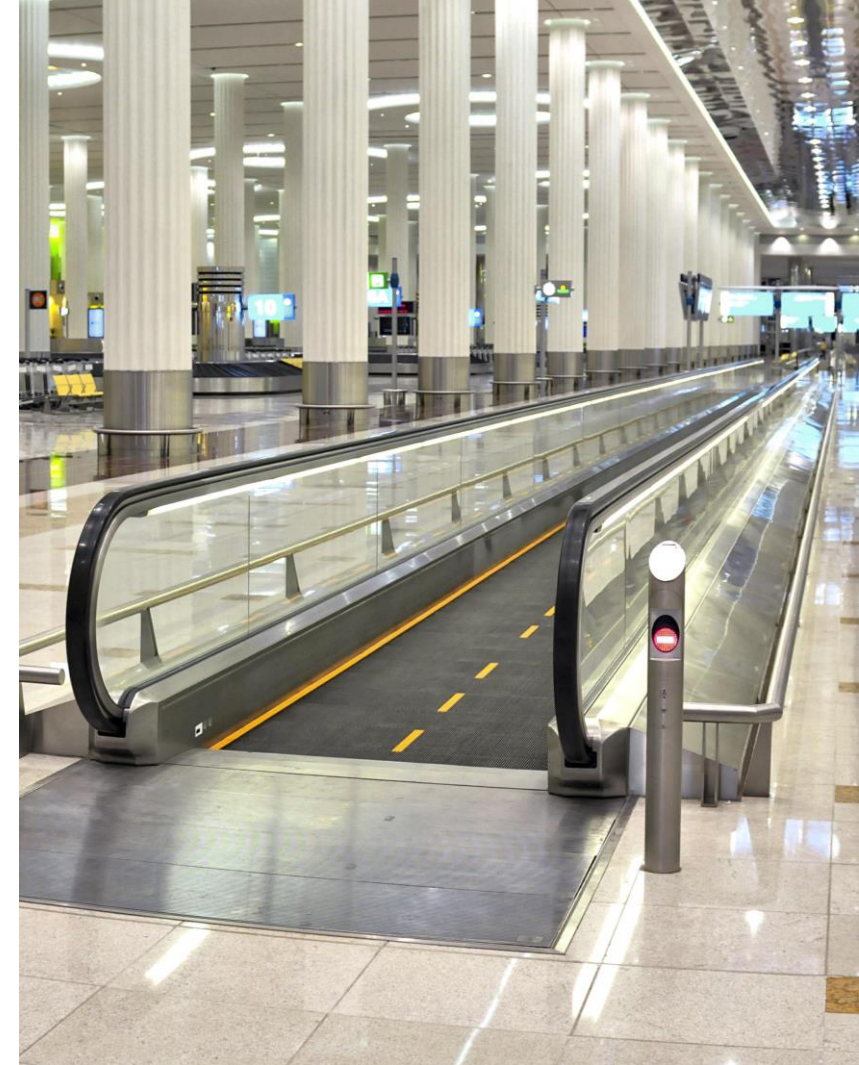
1 bn
people every day



ELEVATORS



ESCALATORS



MOVING WALKS



AIRPORT SOLUTIONS



HOME SOLUTIONS



SERVICE



 MULTI

A NEW ERA OF URBAN MOBILITY

No building height or shape restrictions

Reduced footprint vs. capacity

Comparable energy usage

More uptime availability

Less passenger queuing

Intelligent backbone for smart buildings



TWIN

**2 CABS.
1 SHAFT.
0 CROWDS.**

Two independent cabs in one shaft

Saves building space

Reduces waiting time

Optimized traffic handling



METRO



RESIDENTIAL



SHOPPING MALLS

MID-RISE
ELEVATORS



PUBLIC BUILDINGS



HOTELS



OFFICE BUILDINGS



HIGH-RISE
ELEVATORS

HIGH-RISE ELEVATORS



MULTI-USE BUILDINGS



PANORAMA TWIN

DOUBLE-DECK
ELEVATORS



DOUBLE-DECK ELEVATORS



HIGH-RISE BUILDINGS





ESCALATORS

AIRPORTS



SHOPPING MALLS



METRO STATIONS



MOVING WALKS



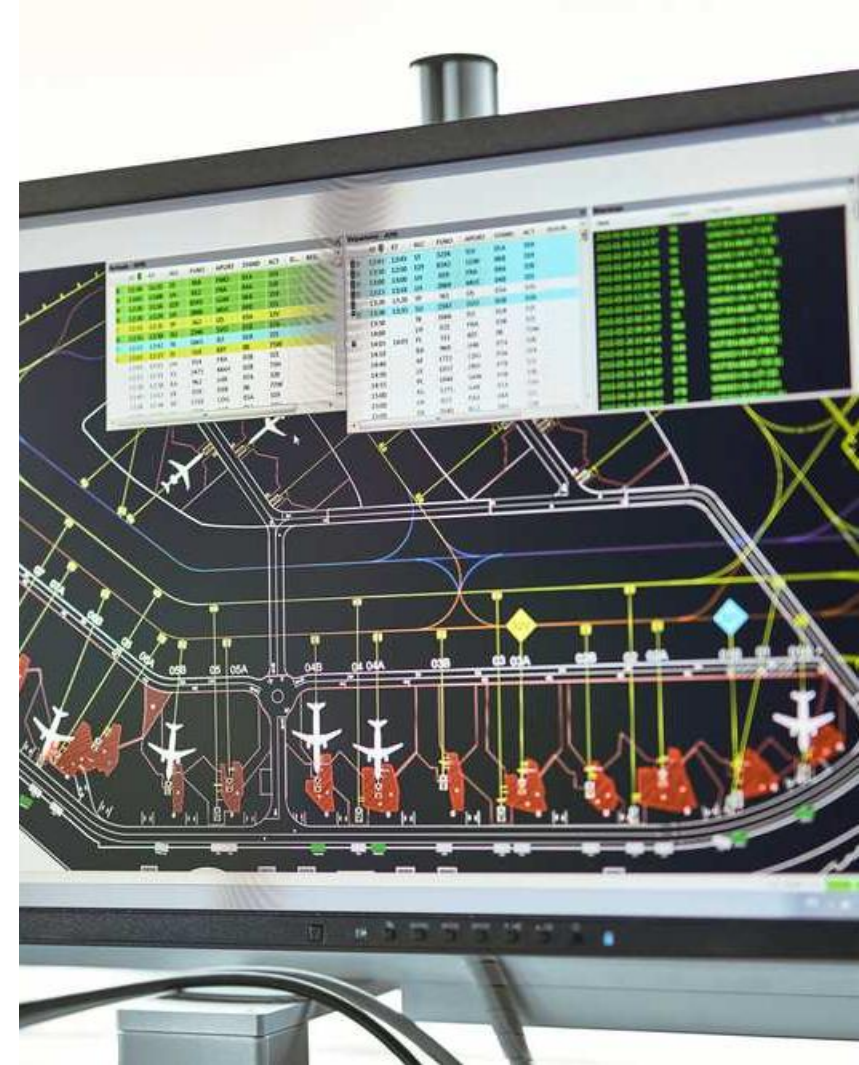
IWALK



PASSENGER BOARDING
BRIDGES



GROUND SUPPORT
EQUIPMENT



INTELLIGENT GATE
MANAGEMENT SYSTEMS



HOME LIFT



CHAIRLIFT



PLATFORM LIFT



TK ELEVATOR SERVICE: ALWAYS THERE

Our **~25,000**

service technicians are always there to secure the safety and reliability of mobility equipment.

We have

1.5m units

under maintenance worldwide and the capabilities to service automatic doors, passenger boarding bridges, escalators, moving walks, and of course, elevators.



 MAX

OPTIMIZED TRAFFIC HANDLING

Increased elevator availability

Quicker service interventions

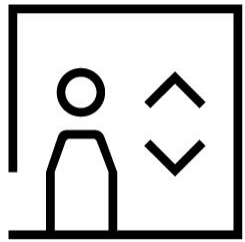
Further improved safety and reliability

Better capacity for planning

Transparency in service data

Improved elevator lifetime

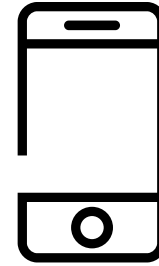
APPLYING THE IOT TO A CHALLENGE OF URBAN MOBILITY, MAX IS A GAME-CHANGING PREDICTIVE AND PRE-EMPTIVE ELEVATOR SERVICE SOLUTION



+



+



=

MAX

DATA COLLECTED

Machine data such as door movements, trips, power-ups, car calls, error codes, etc. is collected from MAX-connected elevators worldwide

PRECISE DIAGNOSIS

This data is set to the cloud, where unique algorithms analyze it for patterns and compute the equipment's operation and remaining lifetime of components

PREDICTIVE INTERVENTION

Precise and predictive diagnostics are delivered to the technician in real time, indicating where intervention is required

MAX

Truly predictive and pre-emptive maintenance



HOLOLENS

NEW VISION OF ELEVATOR MAINTENANCE

Reduces service intervention times
by up to 4x

Helps technicians be better prepared

Allows hands-free, remote access to experts

Optimized training tool

MIXED REALITY FOR STAIRLIFTS

Delivers customized stairlifts up to 4x faster

Can measure, design, visualize, price and quote a stairlift in a single visit

Enables quicker decision-making for the customer

Fully digitalized engineering-to-order process





THIRD PARTY MAINTENANCE

3rd party equipment expertise and spare parts

Global R&D, training and support network

24/7 support



A NEW BRAND STORY FOR OUR FUTURE

It started with a single-minded passion. To design precision-engineered products with the best technology. To improve the way people move.

That's why, in today's on-the-go landscape, we want to enrich people's lives with services and products that make life easier. And so, we evolve in every direction. Forward. Upward. To re-imagine the way of moving through the world. With solutions and platforms that reflect the changing way we live.

We're creating designs for modern living fueled by seamless experiences that put people at the center of everything we do. And we're delivering services and products that understand people's individual relationship with the tools and technologies that move them. Reliable. Smart. Intuitive.

Technology and services that unleash positive, lasting impact on global markets – and the people who live and work in them every day.





NEW YORK CITY, USA

One World Trade Center

At the site of the former World Trade Center

71 elevators

12 escalators



Fastest elevators in the western hemisphere
(max 9 m / s).



SHANGHAI, CHINA

Shanghai World Financial Center

40 elevators

4 double deck elevators

→ Energy Efficiency Class A.

→ One of the world's fastest double deck elevators.



MECCA, SAUDI ARABIA

Makkah Clock Tower

1 chair lift

→ The world's highest chair lift



DUBAI, UAE

Dubai Airport

406 elevators

169 escalators

108 moving walks

154 passenger boarding bridges

➔ One of the world's busiest international airports with more than 90 million passengers/year

➔ Passenger boarding bridges include 25 units for the Airbus A380.



PARIS, FRANCE
Trinity Tower

16 elevators
– Thereof 8 TWINS

2 escalators

➔ With panoramic TWIN elevators in the La Défense district



HONGKONG, CHINA

West Kowloon Terminus

73 escalators

8 moving walks

→ World's largest underground rail terminus



TORONTO, CANADA

Lester B. Pearson INTERNATIONAL AIRPORT

177 elevators

126 escalators

62 moving walks

2 TurboTracks

75 passenger boarding bridges

➔ Canada's busiest airport with 49.5 million passengers/year



PANAMA

Panama Canal

14 elevators

- ➔ The Panama Canal is a strategic route for global navigation, connecting the Atlantic and Pacific oceans.
- ➔ Opened for the first time around 100 years ago and redesigned to expand its capacity, the canal has been made deeper and larger to allow the passage of ships three times larger than before, called the “New Panamax.”



PORTO ALEGRE, BRAZIL
Beira-Rio Stadium

23 elevators

→ Was modernized for the 2014 Football World Cup.



ZHUHAI, CHINA

Hongkong-Zhuhai-Macau Bridge

76 escalators

25 moving walks

→ It is the world's longest ongoing sea-based construction project with a length of 55km.

→ It connects the three major cities of the Pearl River Delta Hongkong, Zhuhai and Macau.



EUROPE – BARCELONA, SPAIN
Metro Barcelona

587 escalators

176 elevators

➔ More than 400 million passengers per year



GUANGZHOU, CHINA
Asian Games City

124 elevators



SAO PAULO, BRAZIL
BIRMANN 32

27 elevators

→ Fastest elevators in Brazil with 7 m/s

Credits: Luis Veiga

TKE

**MOVE
BEYOND**



SOURCES OF INFORMATION

Website

www.tkelevator.com

Products

- <https://multi.tkelevator.com>
- <https://twin.tkelevator.com>
- <https://max.tkelevator.com>
- <http://testturm.tkelevator.com>

BACKUP



TEST TOWER ATLANTA

Innovation and Qualification Center (IQC)

Tallest elevator test tower in the U.S.

128 meters high (420 feet)

18 shafts to develop innovative elevator systems (e.g. TWIN, MULTI and high-speed elevators) and conduct safety tests

Part of new US headquarters

Partnerships with Georgia Tech University to foster innovations



TEST TOWER ROTTWEIL

Tower height:

246m (807 feet)

12 shafts in total for high-speed-elevators
(up to 18m/s), 3 shafts for MULTI

Close to elevator plant in Neuhausen

Highest observation deck in Germany at **232m**



TEST TOWER ZHONGSHAN

Tower height:

248 m (813 feet)

13 shafts to develop and test innovative elevator systems (e.g. MULTI and high-speed elevators) and to conduct safety tests

Part of new plant in Zhongshan