



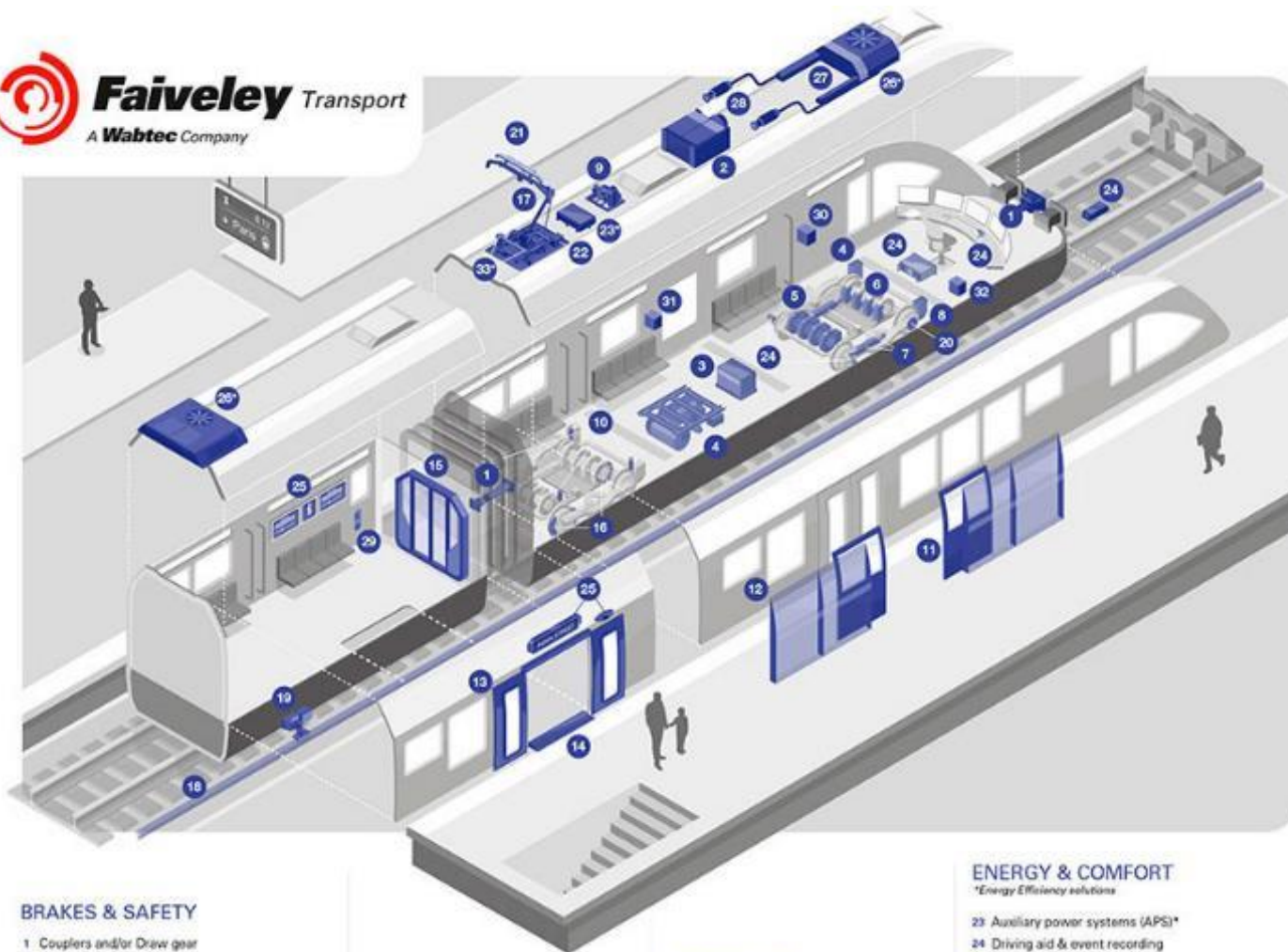
# **/// PLATFORM DOORS & GATES**

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*BU Corporate Presentation*

# /// TRANSIT SEGMENT

# /// TRANSIT SOLUTIONS



## BRAKES & SAFETY

- 1 Couplers and/or Draw gear
- 2 Air generation and treatment unit
- 3 Brake control  
(Pneumatic, Electro-pneumatic, Electronic or Hydraulic)
- 4 Brake frame (Brake control integration)
- 5 Wheel and axle mounted discs
- 6 Disc brake unit and tread brake unit
- 7 Magnetic track brake
- 8 Sanding system
- 9 Pantograph compressor
- 10 Hydraulic levelling system

## ACCESS & MOBILITY

- 11 Platform doors
- 12 Automatic platform gates
- 13 Access doors
- 14 Movable step and ramp
- 15 Interior doors

## FRICION & POWER COLLECTION

- 16 Organic/sinter pads and shoes
- 17 Pantographs
- 18 Third Rail
- 19 Third Rail Current Collectors
- 20 Ground Contacts
- 21 Carbon Brushes/Strips
- 22 Switches & Contactors

## ENERGY & COMFORT

*\*Energy Efficiency solutions*

- 23 Auxiliary power systems (APS)\*
- 24 Driving aid & event recording
- 25 CCTV & passenger information
- 26 Cab & saloon HVAC\*  
(Heating, Ventilation and Air Conditioning)
- 27 Air distribution ducts
- 28 Exhaust devices
- 29 Heaters
- 30 Relays
- 31 Printed Circuit Board
- 32 Circuit breakers
- 33 Energy meters \*

## TRANSIT SERVICES

- ENGINEERING SERVICES
- SPARE AND TRADING

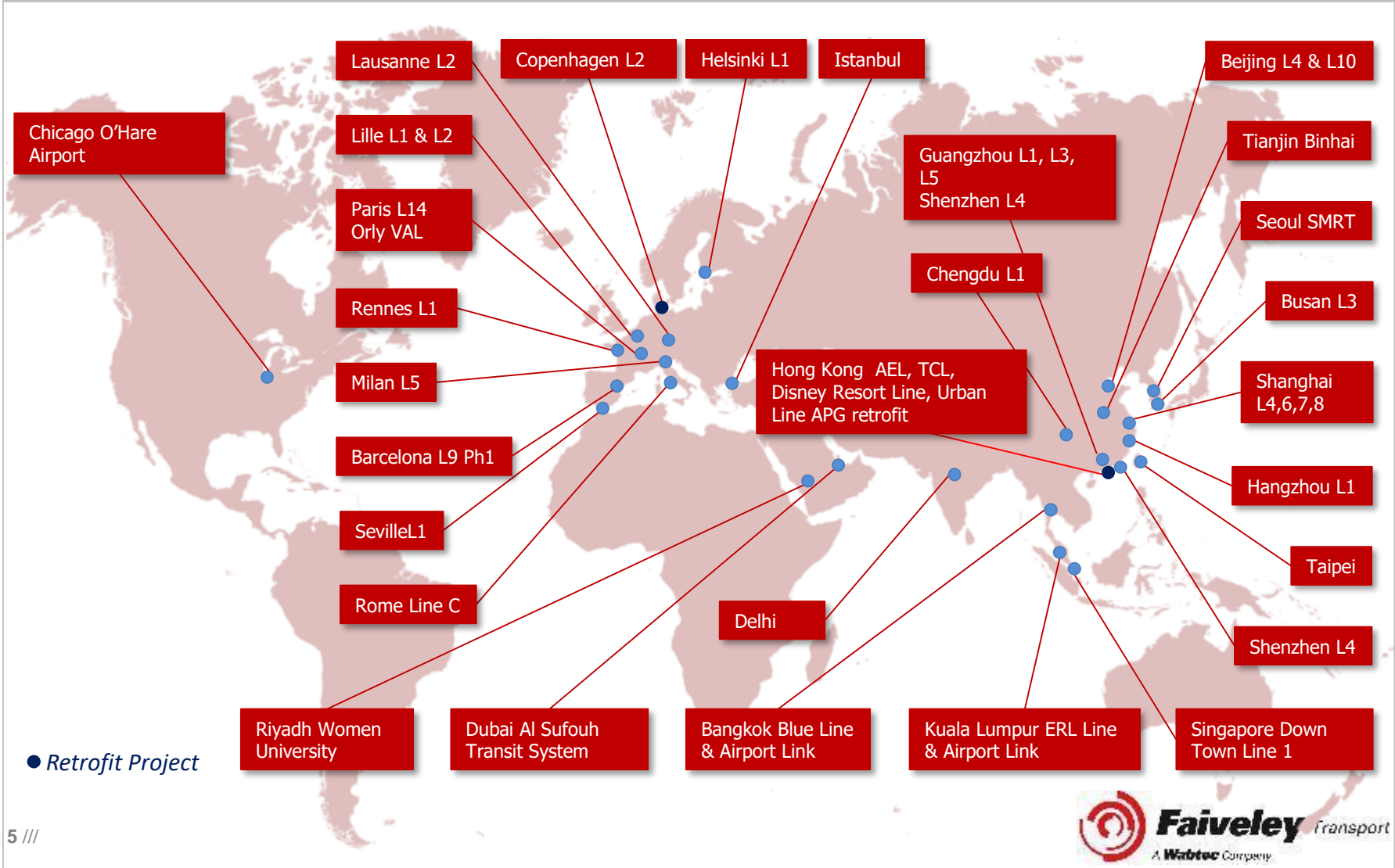
-  INSTALLATION
-  COMMISSIONING & TRAINING
-  PREVENTIVE & CORRECTIVE MAINTENANCE
-  UPGRADES
-  REMOTE DIAGNOSTIC & PREDICTIVE MAINTENANCE
-  RELIABILITY & MAINTAINABILITY STUDIES
-  FRICTION PAIR
-  ENERGY SAVING
-  OVERHAULS

# /// THE WORLDWIDE LEADER FOR PLATFORM DOORS & GATES SOLUTIONS

# /// PLATFORM DOORS & GATES

The worldwide leader for Platform Doors & Gates solutions

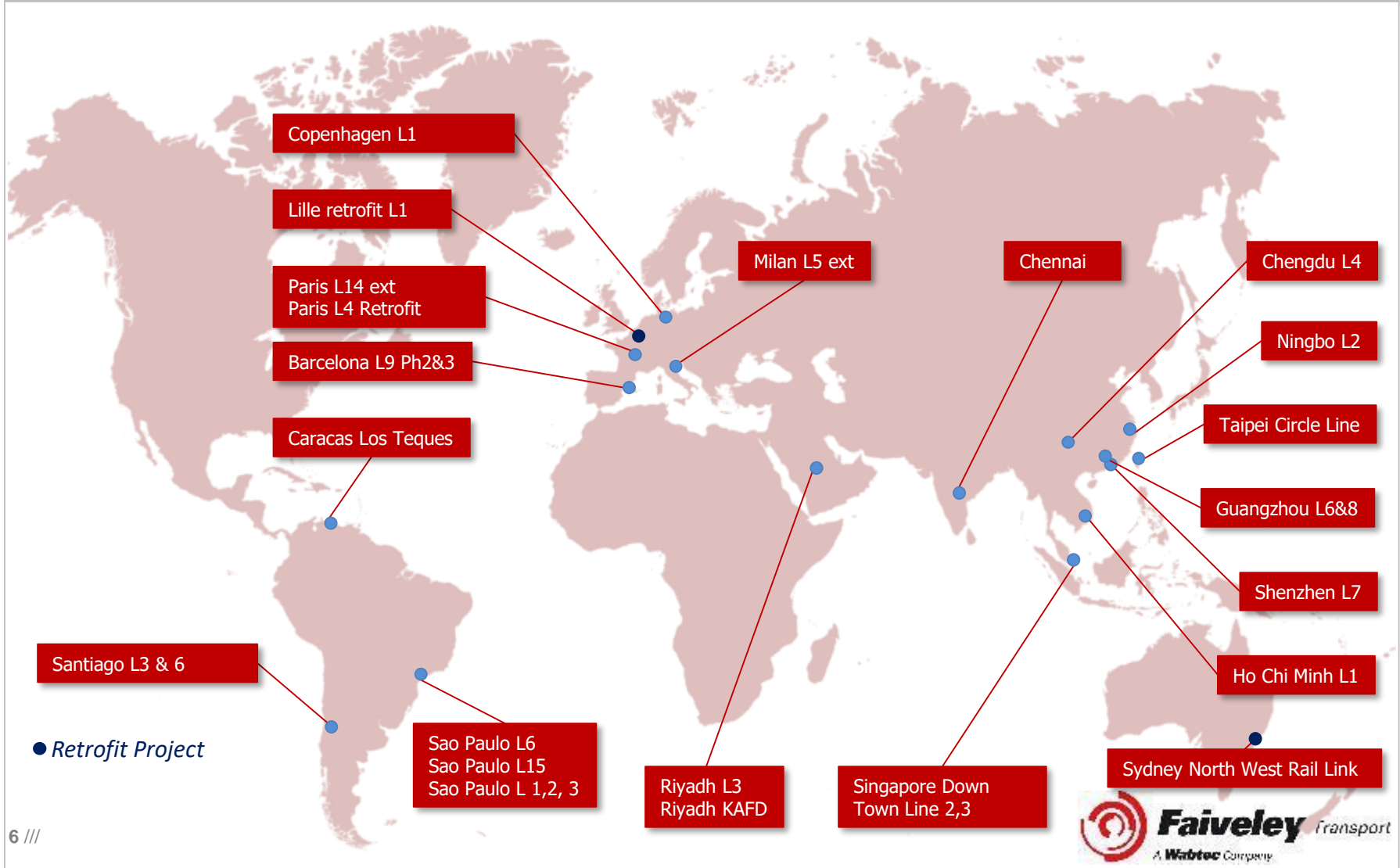
## COMPLETED PLATFORM DOOR AND GATE PROJECTS AROUND THE WORLD



# /// PLATFORM DOORS & GATES

The worldwide leader for Platform Doors & Gates solutions

## ON-GOING PLATFORM DOOR AND GATE PROJECTS AROUND THE WORLD



# /// WHY PLATFORM DOORS or GATES



# /// WHY PLATFORM DOORS & GATES

*Advantages... and more advantages*



-  People Safety
-  Tunnel Entry
-  Objects Fall
-  Cleaning
-  Incipient Fires
-  Entry to Station Speed

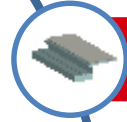


# /// WHY PLATFORM DOORS & GATES

*Advantages... and more advantages*



Passenger Transfer Time



Platform Area Utilization



Psychological Trauma (drivers)



Strikes



Passenger Service Quality



Air Conditionning

# /// SOLUTIONS FOR LINES ALREADY IN SERVICE

# /// CUSTOMIZED ADDED VALUE SERVICES

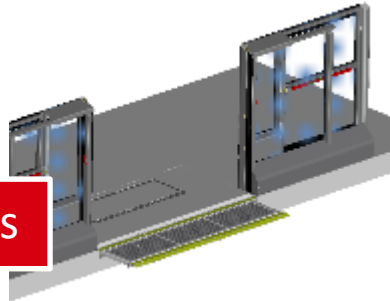
Passenger counting system



Passenger Infotainment system



Gap fillers



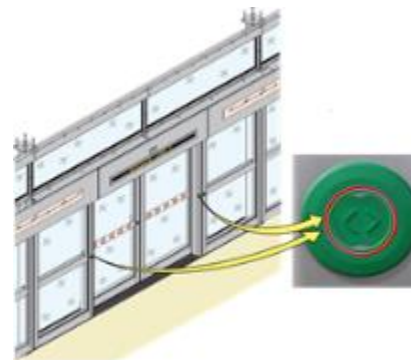
Resistance to extreme weather conditions



Fire resistance



Selective opening



*Thank you for your attention.*

