



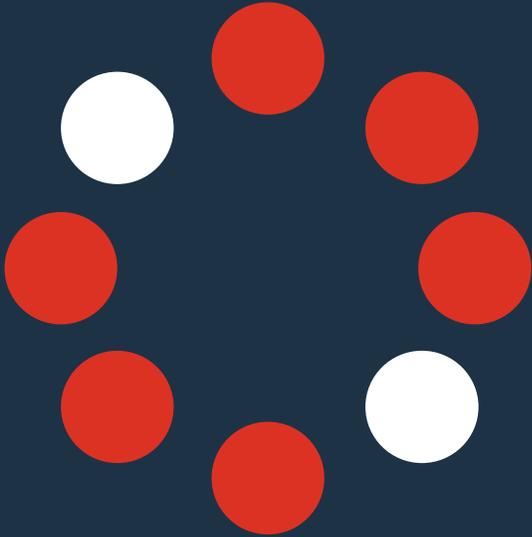
Delivering sustainable mobility in the U.S.

Alexandre Paquet

Southwestern Rail Conference



Agenda



1. Meet Alstom
2. Alstom in the Americas
3. Alstom in Texas

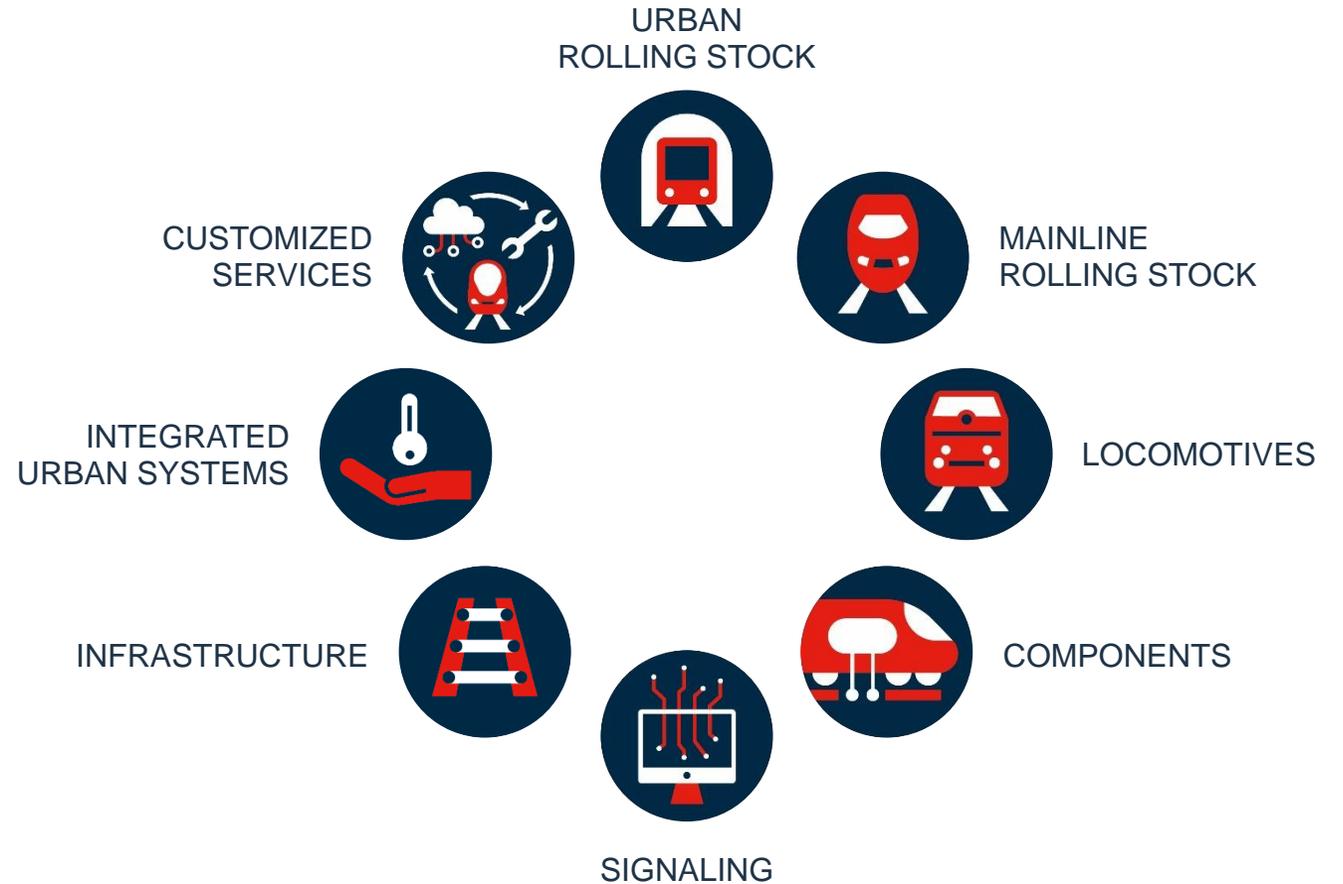
01

Meet Alstom

A global leader in the transportation sector in the digital age

Leading societies to a low carbon future

Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Alstom's product portfolio ranges from high-speed trains, metros, monorail and trams to integrated systems, customised services, infrastructure, signalling and digital mobility solutions.



We are where mobility is needed

Over
70,000
employees
worldwide

70
countries

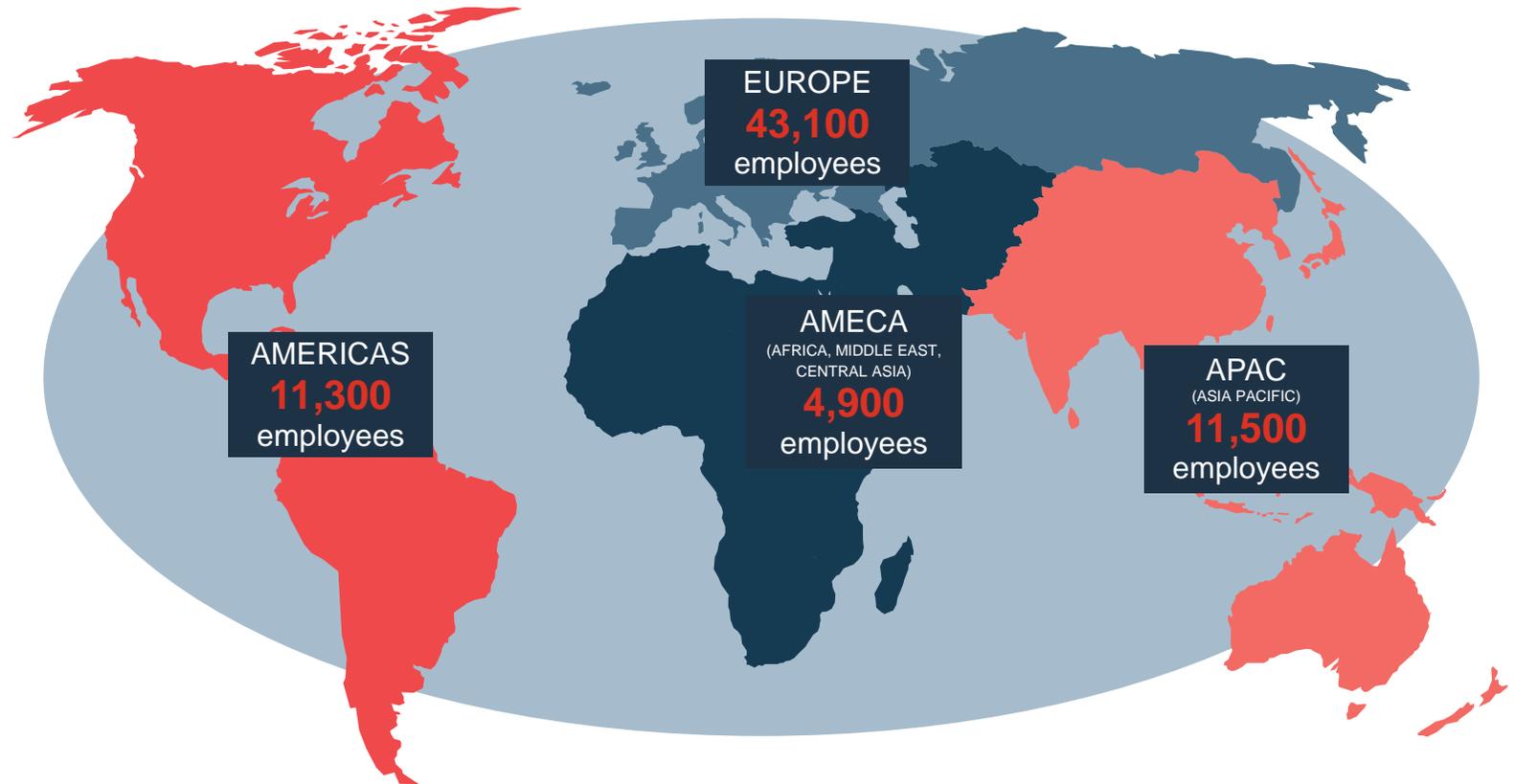
Over
250 sites

Over **150,000** vehicles in
commercial service

17,500
engineers

More than
9,500
patents

Partner to
over
300 cities



A complete product portfolio to better serve our customers

Rolling Stock & Components



People Mover & Monorail

Light Rail

Metro

Suburban

Regional & Intercity

High-speed & Very high-speed

Locomotives

Components

Digital & Integrated Systems



Urban and Mainline Signalling

Freight Signalling

Turnkey

Smart Mobility

Cybersecurity

Signalling & Infrastructure Services

Infrastructure & Telecom

Services



Rolling Stock Maintenance

Asset Life Management

Parts & Component Overhauls

Digital Solutions

Modernization

Train Operations & System Maintenance

Enabling decarbonisation of mobility



Placing energy-efficient electrical rail solutions at the heart of our portfolio



Hesop reversible power substation captures 99% of recoverable braking energy



Flexity Berlin trams with innovative, low-noise bogies

Energy efficiency and eco-design



Enabling the transition to sustainable mobility solutions



Coradia iLint – first zero-emission, hydrogen powered train



Conversion of AGC dual mode trains to battery-electric

Green traction and electromobility



Decarbonising operations



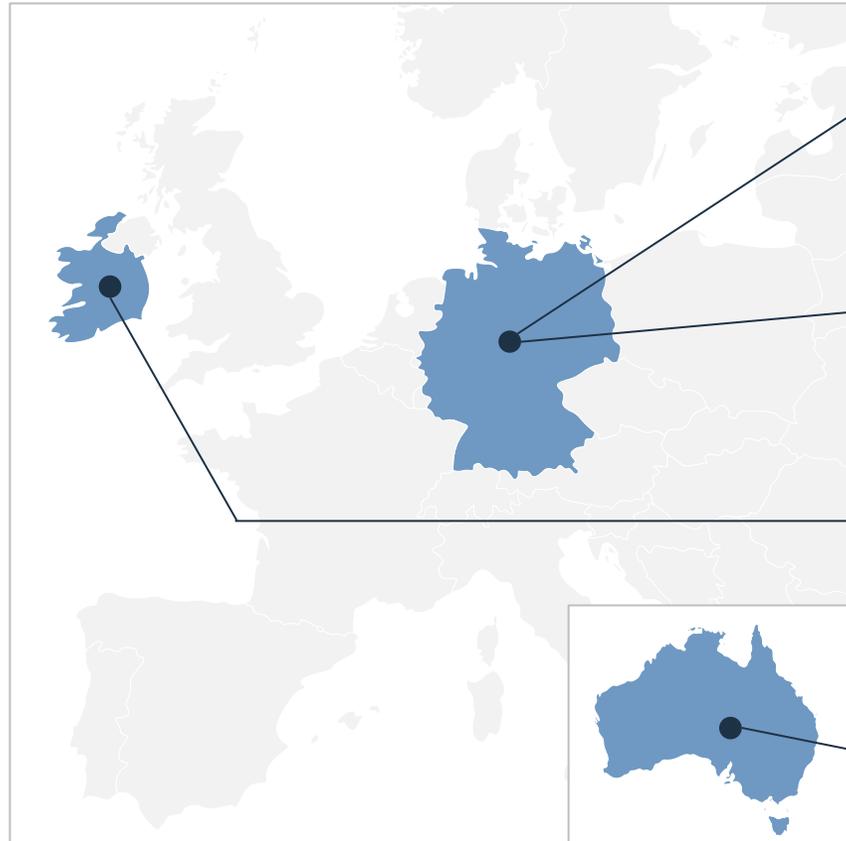
Energy plan, installation of solar panels at Villeneuve factory, Switzerland



Energy plan, installation of solar panels at Sri City factory, India

Renewable sources of energy for operations

Alstom Battery train references for suburban & regional services



Coradia Continental

- 11 BEMU trains for VMS



R&D demonstrator with DB

- Test prototype in passenger operation
- First fully homologated BEMU in Germany



X'trapolis

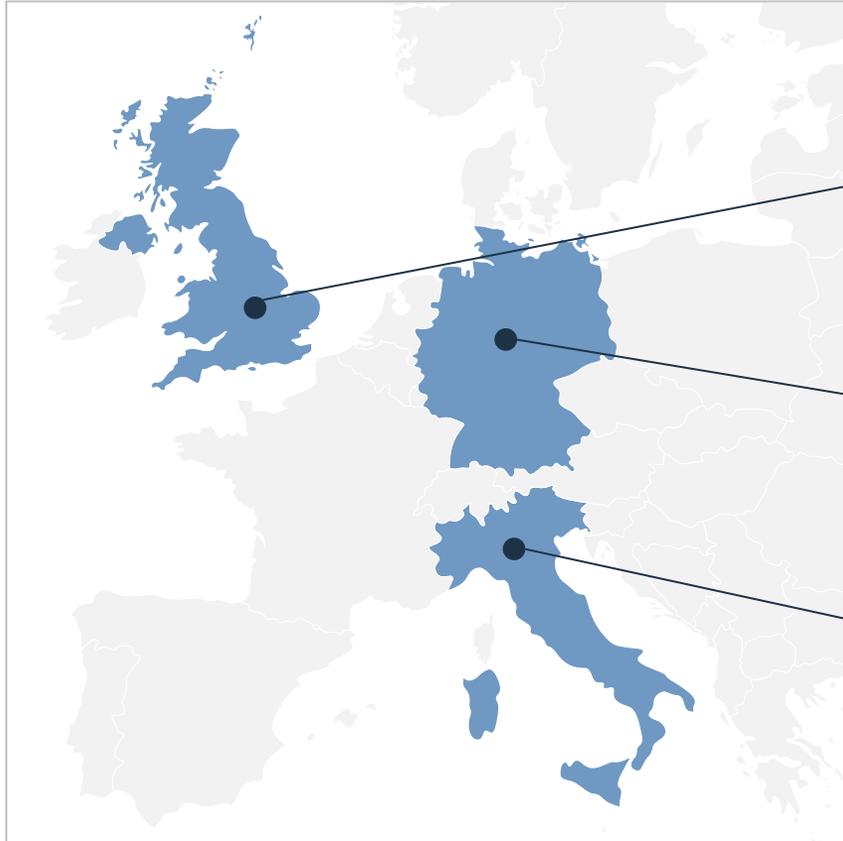
- 13 BEMU trains for DART (Ireland)



X'trapolis

- Battery power cars for Melbourne (pre-design phase only)

Alstom Fuel Cell train references for suburban & regional services



Aventra FCMU

- 10 FCMU trains for Eversholt Rail (*MoU only*)



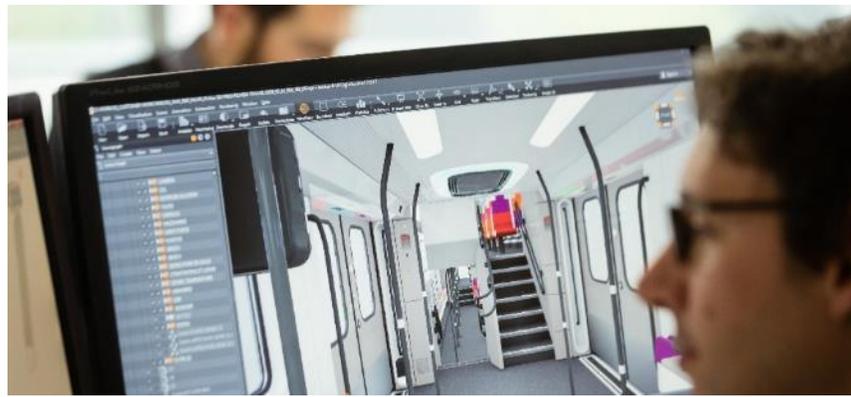
Coradia iLint

- 14 FCMU trains for LNVG
- 27 FCMU trains for RMV



Coradia Stream

- 6 FCMU trains for FNM



We design inclusive mobility solutions in a work environment and culture where all differences are embraced, respected and leveraged.

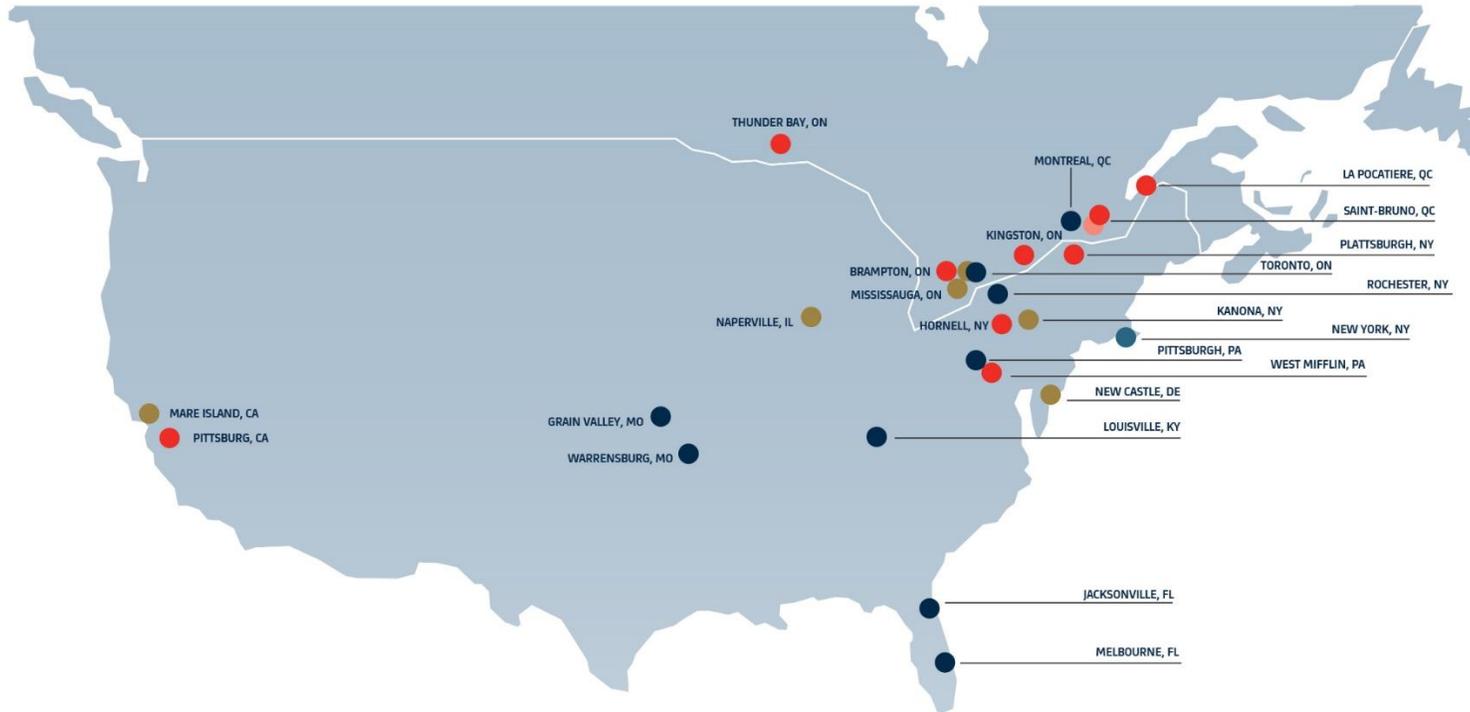


02

Alstom in the Americas

Alstom sites across the Americas

North America



* Operations and maintenance sites and depots listed on separate map

Latin America



4,500

Employees in the U.S.

12,000+

New or renovated
Alstom vehicles

50+%

Signaling in North
America

45

Sites in the U.S.

2,000+

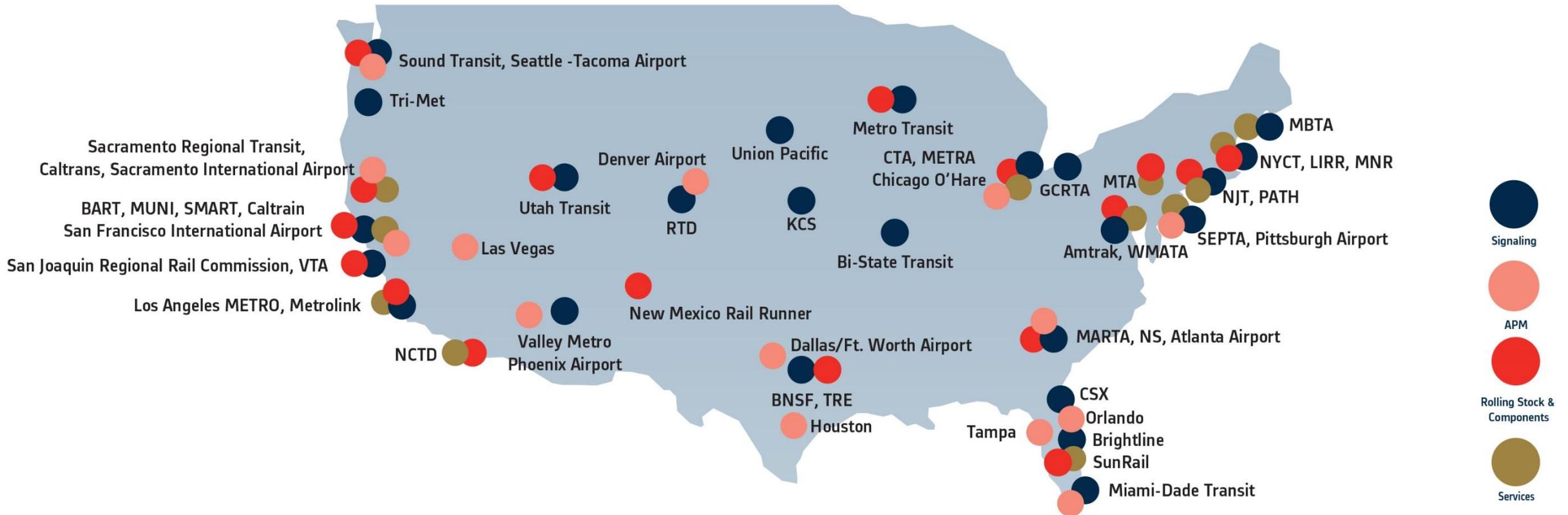
Active suppliers
in the U.S.

20

Operations & maintenance
contracts in North America

Serving customers across the United States

65+ active projects in the United States



Where you have seen our products and services

New York City Transit:
1,320 subway cars and AC propulsion systems for subway cars and hybrid locomotives



Amtrak: 28 next generation high speed trainsets



Réseau express métropolitain (REM): automatic and driverless light metro system with signalling, platform screen doors, depot equipment, 30 years of operations and maintenance

Airports: Operations and maintenance of people mover systems at 14 airports including JFK, Dallas and Houston



San Francisco Municipal Transit Authority: Vendor Managed Inventory (VMI) for fleet of light rail vehicles, historic street cars and cables cars

Rail crossings: 100,000+ units utilizing Alstom technology



Toronto Transit Commission: Communications-based train control (CBTC) solution for train traffic management

Massachusetts Bay Transportation Authority: Fleet modernization of 106 bi-level cars and 103 Green line light rail vehicles



03

Alstom in Texas

Texas reference projects

- George Bush Intercontinental Airport Skyway
 - Serves more than 8 million passengers annually
 - 0.7 mile dual-lane guideway
 - 16 Innovia APM 100 vehicles
 - Provided operations and maintenance for 15 years
 - Extended contract until 2031
 - CityFlo™ 550 automatic train control
 - Switch machines
- Dallas Fort Worth International Airport Skylink
 - Serves more than 1 million passenger annually
 - 5 mile dual-lane guideway
 - 64 Innovia APM 200 vehicles
 - Maintenance for APMs since May 2005
 - Extended contract until 2032
 - CityFlo™ 650 automatic train control
 - Switch machines



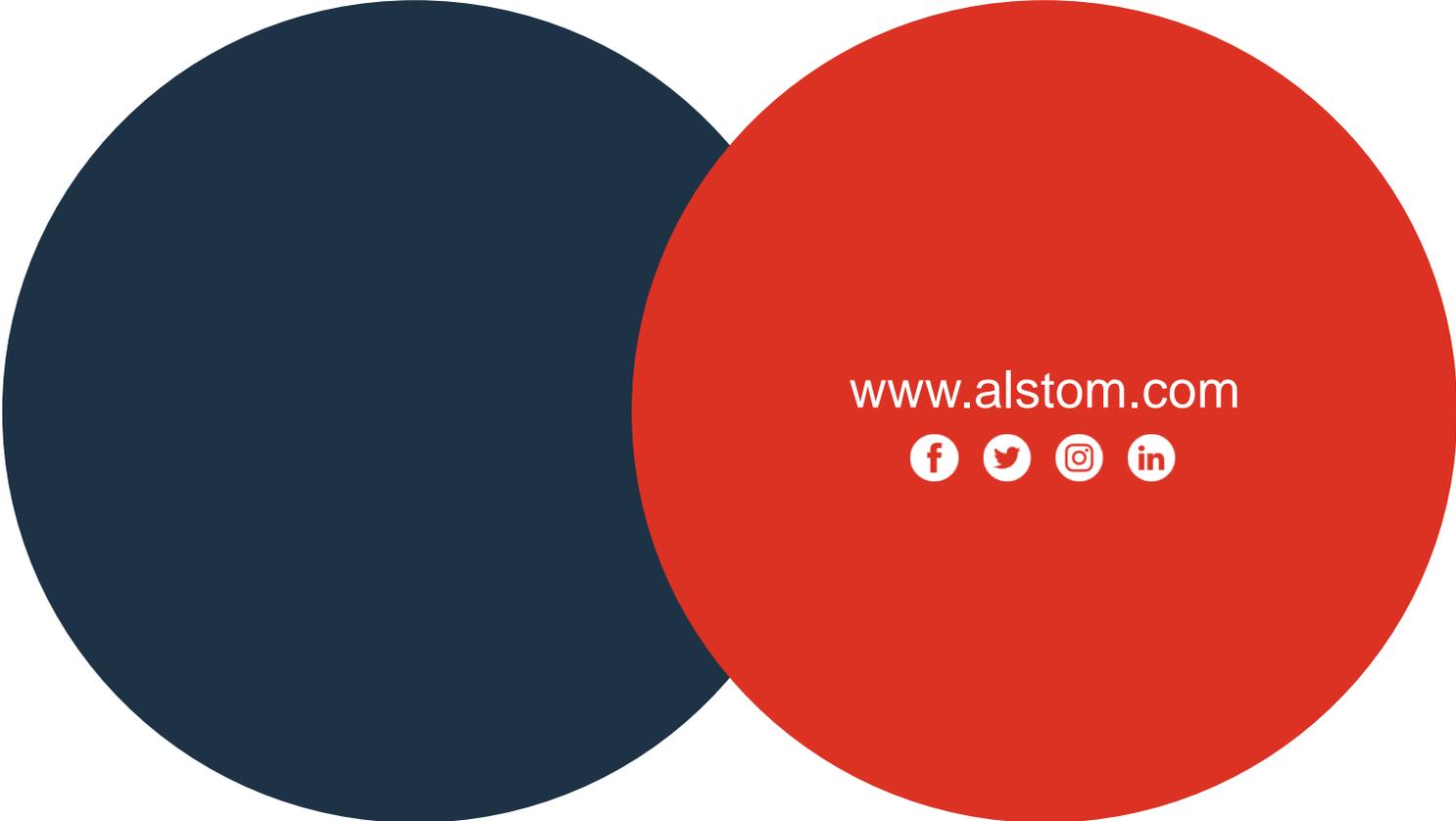
Texas reference projects

- Dallas Area Rapid Transit (DART)
 - Supervisory Control and Data Acquisition (SCADA)
- Capital Metro
 - Wayside signaling
 - Crossings
 - E-ATC for Positive Train Control
- Denton County Transit Authority (DCTA)
 - Wayside signaling
 - E-ATC for Positive Train Control
- BNSF
 - Supplier of Wayside PTC Train Control Equipment and Vital Crossing Control equipment
- Trinity Railway Express
 - 25 *BiLevel* vehicles
 - Wayside signaling





With our strong R&D innovation capabilities and expanded commercial presence, we continue to serve our customers to tackle the challenges of today and tomorrow with a green future in mind.



www.alstom.com



ALSTOM
• mobility by nature •