ALSTOM at a Glance

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Technical & Engineering Director
Signalling Business - RC ANZ
From a multi-sector group to a global player fully focused on transport

1928
Creation of the Alsthom company from the merge between Thomson Houston and SACM

1976
Merge with Chantiers de l’Atlantique, creation of Alsthom Atlantique

1988
Alsthom merges Power and Transportation businesses with GEC and becomes GEC Alstom a 50/50 JV

1998
GEC and Alcatel Alsthom divest to focus on Telecoms. GEC Alsthom becomes Alstom and is listed on the stock exchange

2015
Alstom disposes of its Power businesses and refocuses on its rail activities with General Electric’s signalling business acquisition
An organisation around 7 Regions

- **32,000 employees** working on **105 sites** in **60 countries** serving **200 customers**

### Regions

- **NORTH AMERICA**
  - 1,900 employees
  - 9% of sales

- **LATIN AMERICA**
  - 2,800 employees
  - 9% of sales

- **FRANCE**
  - 9,200 employees
  - 18% of sales

- **EUROPE**
  - 13,600 employees
  - 40% of sales

- **MIDDLE EAST**
  - 1,500 employees
  - 12% of sales

- **AFRICA**
  - 2,700 employees
  - 11% of sales

- **CIS**
  - 300 employees
  - 1% of sales

Note: all figures including the signalling activity acquired from General Electric.
A leading position in rail transport

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trains</td>
<td>Tram, metro, suburban/regional, high speed, very high speed, locomotive</td>
<td>45%</td>
</tr>
<tr>
<td></td>
<td>Components: traction, bogie, motor</td>
<td></td>
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<tr>
<td>Services</td>
<td>Maintenance, Modernisation, Spare parts, repairs &amp; overhaul, Support services</td>
<td>23%</td>
</tr>
<tr>
<td>Signalling</td>
<td>Signalling solutions portfolio for: Main lines, Urban, Control and security</td>
<td>20%</td>
</tr>
<tr>
<td></td>
<td>Sold as products or solutions</td>
<td></td>
</tr>
<tr>
<td>Systems</td>
<td>Integrated solutions, Infrastructure</td>
<td>12%</td>
</tr>
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A group with annual sales of over A$10 billion

Note: all figures including the signalling activity recently acquired from General Electric
Employees at the core of Alstom’s commitments and Values

- **Shared values:** Trust, Team, Action

- **Safety at work is a priority:** Zero Deviation Plan has been adopted among all employees and contractors in all Alstom work places.

- **Large scale human resources policy** for recruitment, integration and training

- **Social dialogue**

- **Strict ethical principles**

- **Cleaner production** of more sustainable products

- **Responsible sourcing policy**

- **Alstom Foundation** for the environment

- **Strategic collaboration** with partners & stakeholders
Over **300 employees** involved in **Turnkey Systems, Signalling, Service and Rolling Stock manufacturing**, working on **12 sites** with a presence in all of the major states in Australia.
Major projects in execution - Sydney Metro Northwest

- **22 6-car Metropolis Train**
  - 22 six-car Metropolis trains
  - Signalling CBTC U400 Driverless System
    - 36km, 13 stations, 1 depot
    - 37mn journey time; 4mn headway

- **Project Schedule**
  - 1st train delivery: September 2017
  - Last train delivery: October 2018
  - Signalling T&C start: March 2017
  - Completion date: February 2019 + 2 years warranty

- **The Future**
  - City and Southwest Extension
Major projects in execution - Sydney Light Rail

• Project Description
  - PPP DCOM
  - 12 km Line
  - 60 X05 LRV, in double units
  - APS in Georges Street (1.6 km)
  - Hesop 1.2 and 2 MW substation
  - Depot Equipment
  - System Integration

• Project Schedule
  - Design: 25/02/15 to 31/10/16
  - Construction: 01/05/17 to 01/09/18
  - T&C: 01/09/17 to 16/03/19
  - Completion date: 16/03/19
Major projects in execution - X’Trapolis Melbourne

• Project
  ▪ 97 x 6 Car X'Trapolis trains
  ▪ Customer: Public Transport Victoria (PTV)
  ▪ The most reliable trains on the Melbourne network
  ▪ Built in Ballarat
Major projects in execution - Signalling

• **Sydney**
  - Onboard ETCS design, supply and roll out on prototypes and more than 168 trains
  - Trackside ETCS L1 design, supply for AMS project
  - Driverless CBTC, Control Center, CCTV and Interlocking on 13km brownfield and 23km greenfield

• **Melbourne**
  - ETCS L1 design Signalling upgrade following RRL project on which new electronic interlocking systems was commissioned

• **Brisbane**
  - ETCS L1 test track for NRG Trains
  - Roma-Corinda Resignalling project

• **Perth**
  - ATP and Signalling upgrades for BHP and FMG