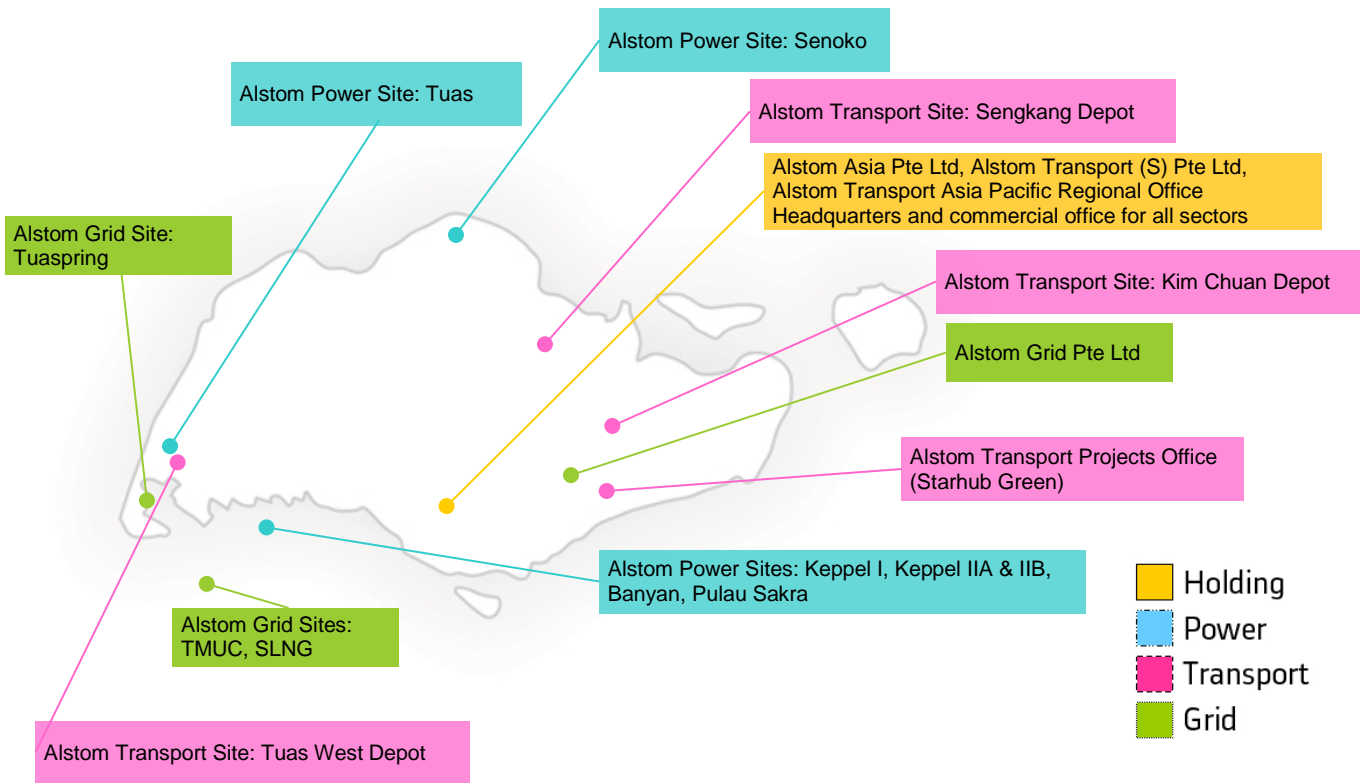


Alstom in Singapore

Nearly 50 years of contribution to transport and energy infrastructures



Alstom's Presence



Key Data

- Alstom Asia Pte Ltd
- Alstom Transport (S) Pte Ltd
- Alstom Grid Pte Ltd
- 5 Power sites
- 3 Transport sites
- 2 Grid Sites
- 503 employees

History

1964: Establishment of Cogelex Alsthom

1997: Alstom Transport (S) Pte Ltd was incorporated in Singapore

1997: Awarded Contract for Signalling and Passenger trains for the 20km underground North East Line

1999: Turnkey Contract for Sembcorp Sakra Cogen Plant

2000: Awarded Turnkey System Contract for driverless rail transit project for the 40km Circle Line

2004: Establishment of Alstom Transport Headquarters for Asia Pacific

2002: Senoko Repowering, Alstom's first advanced gas turbine repowering project delivered to commercial operation in Asia

2004 : 2 more repowering projects in Senoko using advanced class gas turbines achieved commercial operation

2007: Keppel's Combined Cycle Plant, the first GT13E2 CCPP to achieve commercial operation in Singapore

2009: Awarded Trackwork Contract for Downtown Line stage 1 & 2 and North-South Line extension.

2010: Creation of 3rd sector, Alstom Grid and Contract for North East Line Depot Trackwork extension

2010/11 : Received orders from Keppel, Tuas and SemCorp for advanced class Single shaft CCP projects

2011: Establishment of Regional Corporate Headquarters, Asia.

2012: Awarded Trackwork, Catenary, Signalling and Train Contract for NEL Depot Extension & additional trains.

2012: Awarded Signalling and Train Contract for Circle Line upgrading.

2012: Awarded Trackwork and Power Contracts for Tuas West Extension.

2012: Awarded five (5) 66kV GIS substations

2012: SMRT Contract for replacement of under sleepers for North South – East West Lines (2012)

2014: Awarded Automatic Train Supervision and Traction Safety Shutdown System Works for Backup OCC for Circle Line

2014: LTA Contract for Down Town Line, tracks works for Stage 1 & 2 (2009)

2014: SMRT Contract for NSC for the Design, Manufacture and Supply of Concrete Sleepers c/w Fasteners for E-W Line

Alstom in Singapore

Nearly 50 years of contribution to transport and energy infrastructures

Partnerships

Alstom Transport was in Consortium with ST Electronics for North East Line Signalling and Circle Line System Contracts. STE provide supports in Signalling installations, Platform screen doors, communication, access management, etc.

Awards and Certification

- Transport:** LTA Excellence Award 2014 – Best Managed E&M Systems - Project Partner (Downtown Line Stage 1 & 2 Project)
- Transport:** Annual Safety Award 2014 – Certificate of Merit – E&M Contracts (Downtown Line Stage 1 & 2 Project)
- Transport:** Annual Safety Award 2013 – Certificate of Recognition – Category 3 E&M Contracts (Downtown Line Stage 1 & 2 Project)
- Transport:** Annual Safety Award 2013 – Certificate of Merit – E&M Contracts (Downtown Line Stage 1 & 2 Project)
- Transport:** Annual Safety Award 2011 – Certificate of Excellence – Category 3 E&M Contracts (Circle Line Extension Project)
- Transport:** Annual Safety Award 2011 – Certificate of Recognition – Category 3 E&M Contracts (Circle Line Extension Project)
- Transport:** Annual Safety Award 2010 – Safety Achievement Award – Mega Category (Circle Line Project)
- Transport:** LTA Excellence Award 2010: Best managed infrastructure project (Circle Line Project)
- Transport:** Safety Achievement Award 2010 (Circle Line Extension Project)
- Transport:** Annual Safety Award 2009 – Certificate of Excellence - Mega Category (Circle Line Project)
- Transport:** Annual Safety Award 2008 – Certificate of Excellence – Mega Category (Circle Line Project)
- Transport:** Annual Safety Award 2008 – Best Theme Presentation Award on Managing Safe Works at Height – Mega Category (Circle Line Project)
- Transport:** Annual Safety Award 2007 – Certificate of Excellence – Mega Category (Circle Line Project)
- Transport:** Annual Safety Award 2006 – Certificate of Excellence – E&M Category (Circle Line Project)

Thermal Power

Alstom Power has been a key player in Singapore since its establishment in 1964 with over 25% market share of combined cycle power plant installed base.

References:

- Pulau Sakra 800 MW cogen plant for Tractebel/SembCorp (2001)
- Senoko Repowering 3x360 MW for Senoko Power (Phase 1, 2001; Phase 2, 2004)
- Keppel I 470 MW Combined Cycle for Keppel Energy Pte Ltd (2007)
- Long Term Service agreement for Senoko Repowering and Keppel I
- Long term service agreement for steam turbine and generators at Sembcorp Cogen Power Plant
- Tuas 400 MW CCP5 Combined Cycle Power Plant for Tuas Power Generation Pte Ltd (2010)
- Keppel II A and IIB 400 MW Gas Fired Combined Cycle Power Plant for Keppel Energy Pte Ltd (2010)
- Banyan CCP3 400 MW Gas Fired Combined Cycle Power Plant for Sembcorp (2011)
- Long term service agreement for Tuas CCP5 Power Plant, Keppel IIA and IIB, Banyan CCP3

On-going Projects:

- Long Term Service agreement for Senoko Repowering and Keppel I
- Long term service agreement for steam turbine and generators at Sembcorp Cogen Power Plant
- Long term service agreement for Tuas CCP5 Power Plant, Keppel IIA and IIB, Banyan CCP3

Alstom in Singapore

Nearly 50 years of contribution to transport and energy infrastructures

Rail Transport

In the transport sector, Alstom has provided expertise in for the North East Line and Circle Line, which form part of the country's Mass Rapid Transit (MRT) railway system.

References:

- 20km underground driverless Mass Transit System, URBALIS Driverless Signalling system and 25 Metropolis trains for North East Line (Completed 2003). Alstom also pioneered the Offsite Integrated Testing in VPF, France and developed the Operational Management Procedure Documentation for the driverless operation.
- 40km Driverless Mass Transit System, in Alstom was the System Designer and Technical Leader for the full system design and supplied 40 Metropolis trains, URBALIS Driverless Signalling for Circle Line (Completed 2011) and the Power and Track infrastructure.

Ongoing Projects:

- LTA Contract for Down Town Line, tracks works for Stage 1 & 2 (2009)
- LTA Contract for North East Line Depot Extension Trackwork (2010)
- LTA Contract for Circle Line Additional Trains and Signalling upgrade (2012)
- LTA Contract for North East Line Additional Trains and Signalling upgrading (2012)
- LTA Contract for Tuas West Extension Trackwork (2012)
- LTA Contract for Tuas West Extension Power (2012)
- LTA Contract for Automatic Train Supervision Works for Backup Operation Control Centre (2014)
- LTA Contract for Traction Safety Shutdown System Works for Backup Operation Control Centre (2014)
- SMRT NSC for the Design, Manufacture and Supply of Concrete Sleepers c/w Fasteners for EW Line (2014)

Electrical Grid

Alstom Grid has been providing Transmission solutions to Utilities and Industry in Singapore since 1960s.

References:

- More than 800 bays of High Voltage GIS delivered to Utilities and Industries
- More than 20,000 MVA of transformers and reactors installed
- Pulau Seraya Stage III, 3 X 250MW Plant Electrical Systems
- Tuas Stage I, 2 X 600MW Plant Electrical Systems
- Pulau Sakra Cogen 815MW CCGT 230kV GIS and electrical BOP
- Tuas Multi-Utilities Complex 66kV/22kV/6.6kV/LV turnkey distribution system
- Keppel II Power Plants 230kV GIS substations

Ongoing Projects:

- Singapore LNG Terminal 66kV/6.6kV/LV electrical package
- Tuaspring 70MGD Desalination Plant 66kV/22kV/6.6kV/LV electrical & drives systems
- Banyan Power Plants 230kV GIS substation
- Tuaspring Power Plant 230kV GIS substation
- Power Grid Bighthill 66kV GIS extension
- Power Grid five (5) 66kV GIS substations
- Power Grid Woodlands Ave 8 GIS extension
- Jurong Aromatics 66kV GIS substation

Alstom in Singapore

Nearly 50 years of contribution to transport and energy infrastructures

Contact Information

Alstom Asia Pte Ltd
Alstom Transport (S) Pte Ltd
50 Raffles Place
#25-01 Singapore Land Tower
Singapore 048623
Tel: +65 6220 1138
Fax: +65 6535 5605

Alstom Grid Pte Ltd
31 Kaki Bukit Road 3
#02-05 Techlink
Singapore 417818
Tel: +65 6749 0777
Fax: +65 6841 9555

General/product enquiries or requests for quotation, kindly contact the local office or visit <http://www.alstom.com/locations/>

Careers at Alstom & submission of resumes, visit <http://www.alstom.com/careers/>

The contact below is exclusive for the use of the press. Non-press related requests will be disregarded.
Communications Contact: Sheldon Young | sheldon.young@alstom.com