



Queensland Train Manufacturing Program

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Project Director

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ALSTOM
• mobility by nature •

LAING O'ROURKE



Acknowledgement of Country

We would like to acknowledge the Traditional Custodians of Country throughout the Fraser Coast region, Queensland and Australia, and acknowledge their history, culture and connections to land, sea and community

We wish to pay our respects to their Elders, both past, present and emerging

01

Introduction



Introduction

- Why are we here speaking with you today?
 - Alstom & Laing O'Rourke's involvement
 - Local Community Engagement
- QTMP overview
 - We are currently in the Request for Proposal (RFP) phase
 - RFP timeframes: - Proposal submission Q2 2022 and Contract Award Q4 2022
 - Alstom is one of three Shortlisted Applicants
 - TMR website: -

<https://www.tmr.qld.gov.au/projects/queensland-train-manufacturing-program-qtmp>

- My role, background & experience
 - Where my career began, my journey, what I'm doing now
 - 32yrs in the industry, creating legacies

02

About Alstom

Global view

Over
70,000
employees
worldwide

70
countries

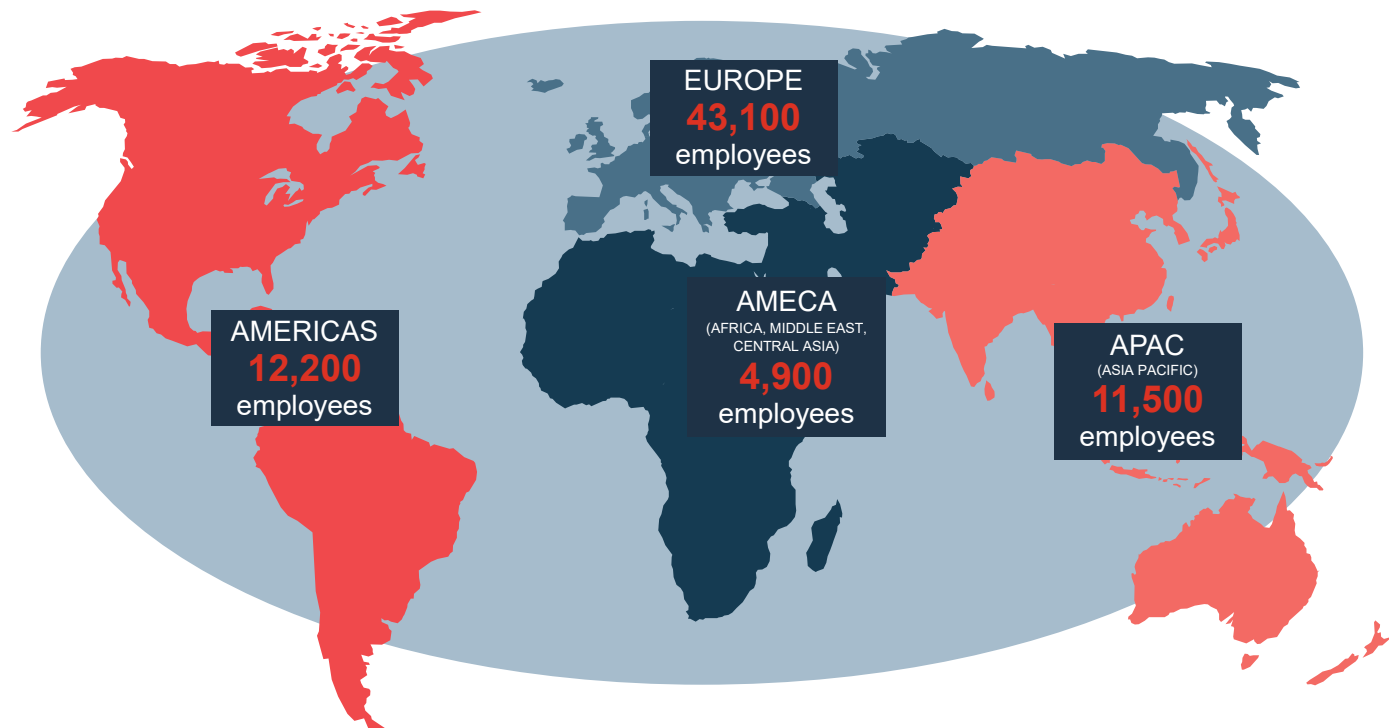
Over
250 sites

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

17,500
engineers

More than
9,500
patents

Partner to
over
300 cities



Product portfolio

Rolling Stock & Components



People Mover & Monorail

Light Rail

Metro

Suburban

Regional & Intercity

High-speed & Very high-speed

Locomotives

Components

Digital & Integrated Systems



Urban Signalling

Mainline Signalling

Turnkey

Smart Mobility

Cybersecurity

Signalling & Infrastructure Services

Infrastructure & Telecom

Services



Rolling Stock Maintenance

Asset Life Management

Parts & Component Overhauls

Digital Solutions

Train Operations & System Maintenance

2.1

Our local organisation in ANZ



**>1,600
Employees**



52

Different nationalities
working at Alstom in
Australia

**A culturally diverse
workforce**



Alstom in Australia & New Zealand



- **Present more than 100 years**
- **>1,600 Employees**
- **25 Sites** (incl Customer facilities)
- **3 Manufacturing facilities**
 - Ballarat
 - Dandenong
 - Perth
- **Full portfolio delivered**
 - Systems
 - Rolling Stock
 - Signalling
 - Services

Gold Coast, QLD: Rollingstock Maintenance

Maintenance for the 18 Gold
Coast LRVs



Maryborough



Wulkuraka , QLD: Rolling Stock Maintenance

Maintenance of the 75 NGR
EMU fleet



Maryborough, QLD: Rollingstock Pre- Assembly and Logistics Facility

Accessibility Variation
Project for QNGR Fleet

03

Queensland Train Manufacturing Program

QTMP RFP Scope



Rail Manufacturing Facility

- New Manufacturing Facility located in Torbanlea, Fraser Coast
- Suitable for a range of major manufacturing and assembly works for the Fleet



Rollingstock (Fleet)

- 65 x 6 car trains
- Compatible with safety and accessibility standards
- Tunnel capable (Fire, Gradient, PSD)

Options

- 15 x 6 car trains



Simulators & Mock Ups

- Fixed simulators to support the new fleet training for Train Crew
- Cab and saloon mock ups, inc Toilet



Rail Maintenance Facility

- Dedicated new Rail Maintenance Facility, located in the Gold Coast region
- 15years base, potential extensions of up to 4 x 5years
- Full fleet maintenance; preventative, corrective, overhauls and cleaning



Train Wash Facility

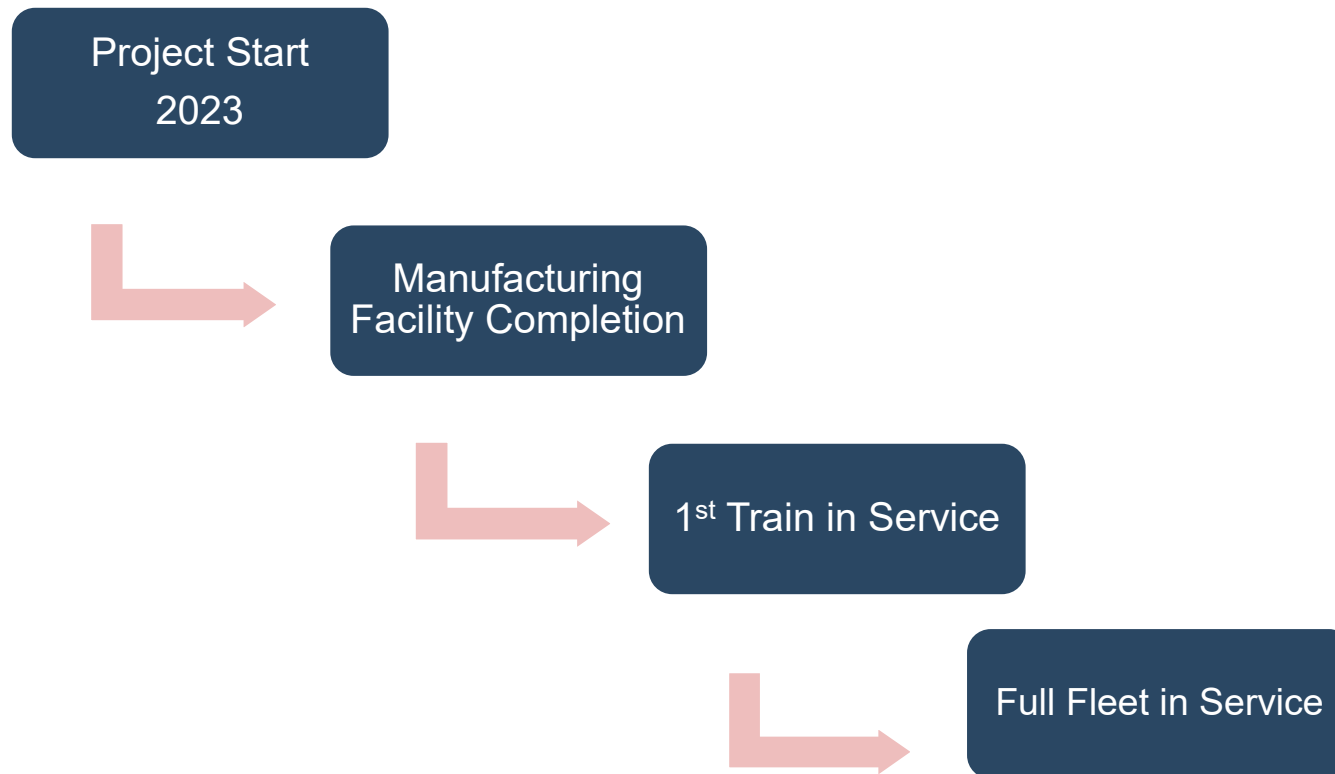
- Located near the new Maintenance Facility and Stabling Yard




Rail Stabling Yard Facility

- Located adjacent to the new Maintenance Facility
- 20 x 6 car train capacity
- Includes Train Crew facilities

Visual timeline



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- Employment
 - Training
 - Community Involvement
 - Supply Chain breadth
 - Personal development
 - Opportunities for growth
 - Sustainability
 - Potential for future expansion

Roles available

Trade positions

- QTMP will create includes **fitters, welders, sheet metal workers, electrical fitters, coach builders, programmers and technicians** . During the construction phase this will also include **carpentry, concreting and plumbing**.

Professional services

- QTMP offers extensive opportunities for roles in professional services such as: **engineering, logistics and warehouse, quality management, project management, finance, supply chain, business and administration**.

Trainee and apprenticeships

- We will offer trainees and apprentices the opportunity to complete nationally accredited rail, engineering, electrical and manufacturing qualifications, with development pathways available to complete professional qualifications. Alstom are looking at how we can provide a unique opportunity for trainees and apprentices to **work across the construction and manufacturing phases of the project**.

Graduate programs

- Alstom strongly supports the development of engineering and functional support graduates through **a formal Graduate Program**. Graduate opportunities are as diverse as our business. The various entry streams to our business **include digital engineering, installation, testing and commissioning and systems integration, business and finance**

Local Content – Local Industry Development Plan

- **High levels of local content and job creation will be considered as key selection criteria for Business Award for our Suppliers**
- Aboriginal & Torres Strait Islander engagement throughout the Supply Chain
- SME's, Jobs, Apprenticeships and Trainee programs in Fraser Coast LGA & broader Queensland
- Facilitate partnerships between suppliers in Fraser Coast LGA & broader Queensland
- Supplier Development through Monitoring and Implementation:
 - Cost Breakdown, spend and commitment to assess the level of local content
 - Audits carried out to validate local content
 - Ongoing reviews with the objective to support supplier development

Alstom and LOR are committed to working with the local region

04

Alstom Procurement

Sample Procurement Scopes

A Class Systems

HVAC, Brakes, CCTV,
Passenger
Information, Doors,
Electrical Converters,
Couplers etc...

Interior Components

GRP, Seats,
Windows, Interior
Panels, aluminium
Extrusions, Flooring,
Lighting, Handrails,
Decals etc...

Metal Fabrication

Structural Sub
Assemblies, Electrical
Cabinets, Junction Boxes,
Locker Frames, Mounting
Brackets, Cast Parts etc...

Electrical

Cables, Harnesses,
Batteries, Electrical
Connectors & Relays etc...

C Parts

Fasteners, Sealants,
Paint, Adhesives,
Rubber Components,
Hydraulic Hoses &
Fittings, Locks etc...



05

Laing O'Rourke

Train Manufacturing Facility – Torbanlea

LAING O'ROURKE

Focus on creating a sustainable and skilled local supply chain:

- Engage with local and Indigenous businesses and industry groups to understand capacity and capability
- Develop a packaging strategy to make the most of the opportunities – best-for-local aimed at all levels of participation – building capability
- Remove the barriers to participation (e.g. simplify procurement, support in Building Code and systems compliance)
- Identify opportunities for upskilling, traineeships and apprenticeships – partner with schools, TAFEs and universities.

High-level scope:

- Opportunities in civil works, concreting, structural works, electrical and others.

Building a long-term, comprehensive supply chain

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Conclusion

Conclusion



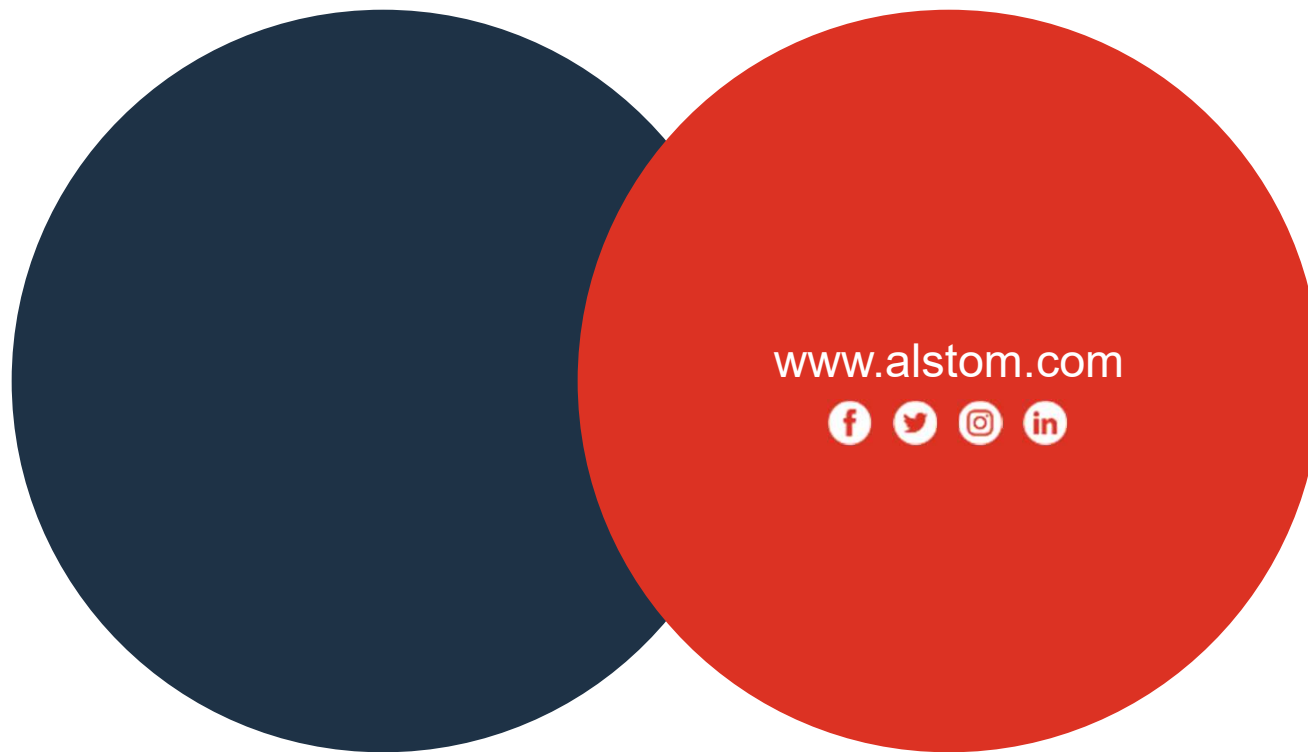
We are committed to supporting the local community and creating long term jobs and a sustainable supply chain

<https://www.alstom.com/alstom-australia>

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Q&A





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