



Alstom Transportation Inc.

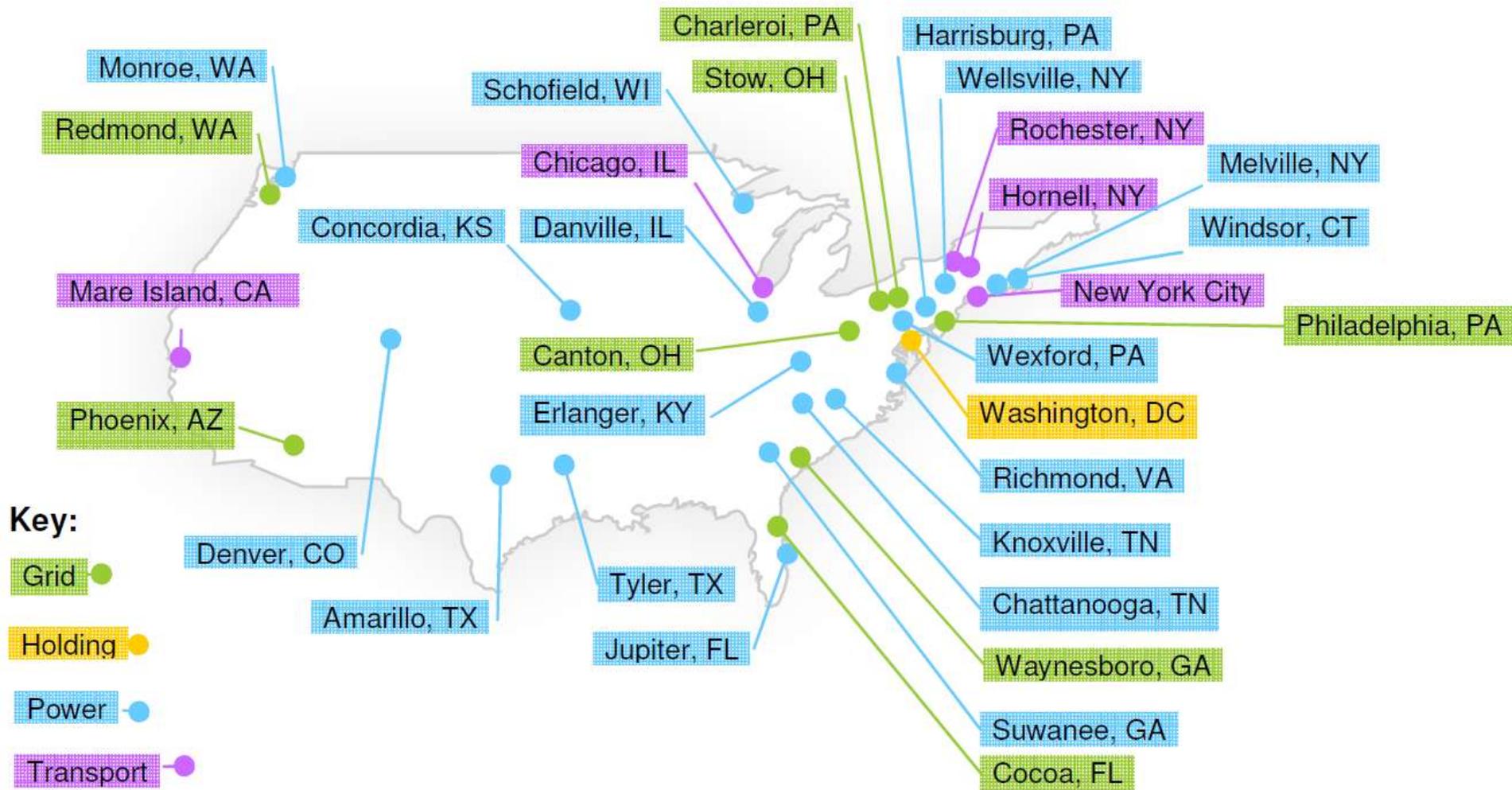
FRA/NIST/MEP Rail Supply Chain Connectivity Forum

Chicago, IL February 14, 2012



Alstom: 2010/11 Sales = \$28 Billion – 93,500 Employees in 100 Countries

Alstom Transport: 2010/11 Sales = \$7.5 Billion – 25,500 Employees in 60 Countries



US Locations: Over 6,800 permanent employees
in 47 states and the District of Columbia

10,000+ employees including contract workers

Alstom Train Life Services – Naperville, IL



**68,000 sq. ft. - TLS North American Headquarters
Warehouse/Parts & Equipment Repair**

Mare Island, California



112,000 Sq. Ft. - Providing service to the West Coast

Alstom Train Life Services - New Castle, Delaware



100,000 sq. ft. – Providing service & parts logistics to Amtrak NEC

Hornell, NY Manufacturing Facilities



Plant 2 - ELECTRICAL SHOP
(75,000 sq.ft.)



Plant 3 - PARTS, SERVICE AND TRUCK SHOP (135,000 sq.ft.)



Plant 1 - CAR SHOP (420,000 sq.ft.)
New Car Facility (70,000 sq.ft.)

700,000 sq. ft. under roof on 52 acres at 3 separate locations within a 1 mile radius

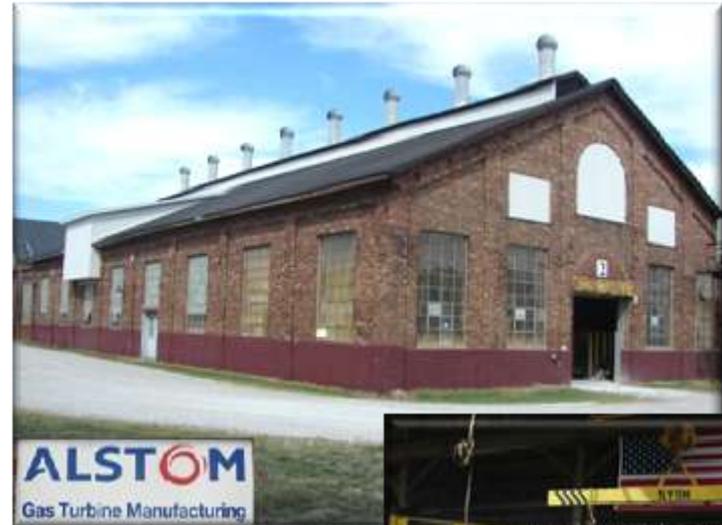
Alstom Air Preheater R&D – Naperville, IL & Warrenville, IL

- **25,000 sq. ft.** laboratory in Naperville is used to test and demonstrate the capabilities of Raymond® and Bartlett-Snow™ equipment under simulated production conditions.
- **30,000 sq. ft.** design office in Warrenville for Bartlett-Snow™ and Raymond® products.
- For over a hundred years, have been successfully providing solutions for thermal process applications involving the chemical, petrochemical, ceramic, magnetic, metals, food, fertilizer, plastic, industrial solid waste, and nuclear industries.



Alstom Thermal Power – Danville, IL

- Repair & new fabrication of **gas turbine housings**
- **70,000** sq. ft. facility with **30** years of experience
- One of 7 locations in Alstom's global turbine reconditioning network



A complete range of passenger rail products

Rolling Stock: from Light Rail to Very-High-Speed trains



Chicago Transit Authority Projects Completed in Hornell



**CTA 3200 Series Transit Cars
257 New Units**



**CTA 2600 Series Transit Cars
598 Remanufactured Units**

NYCT - New York City Transit



WMATA – Washington D.C.



Amtrak & Caltrans

ALSTOM



TRANSPORT

ALSTOM

NJT - New Jersey Transit



Supply Needs

- **Electrical**

- Cable & Wire
- Connectors
- Printed Circuit Boards
- Relays
- Brake Resistors
- Circuit Breakers
- Misc. Electrical

Components

- **Interiors**

- Seats
- Flooring Systems &

Coverings

- Windows / Glazing / Glass

Panels

- Lighting
- Interior Panel Systems -

FRP

- Insulation

- **Metallic**

- Sheet Metal Parts &
Fabrication

- Castings & Forgings
- Machined Parts
- Heat Treating & Coatings
- Steel & Aluminum – Sheet

& Plate

- Fasteners

- **Other Items**

- Training
- Parts & Maintenance

Manuals

- Field Service Warranty

Labor

- Labeling

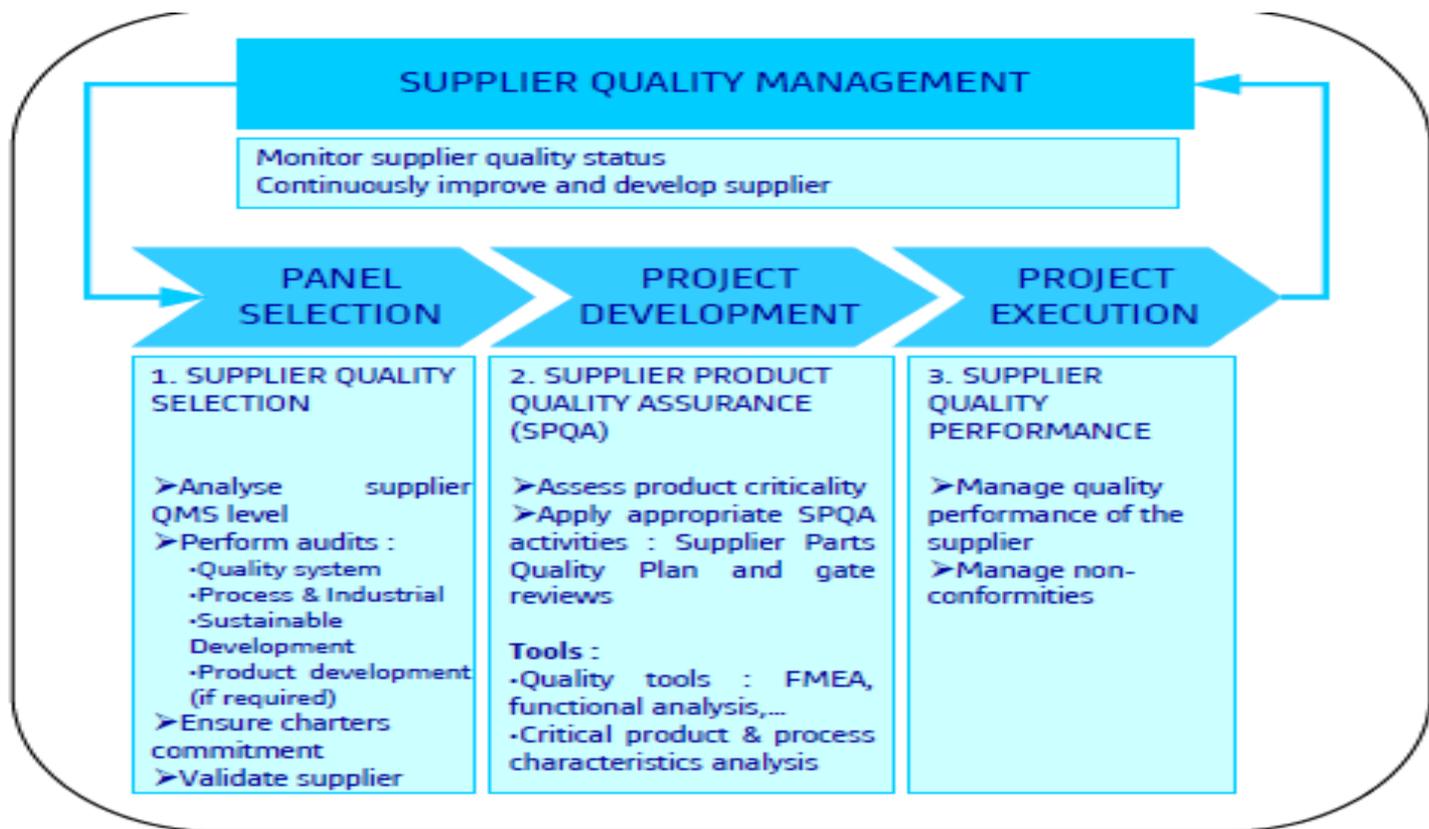
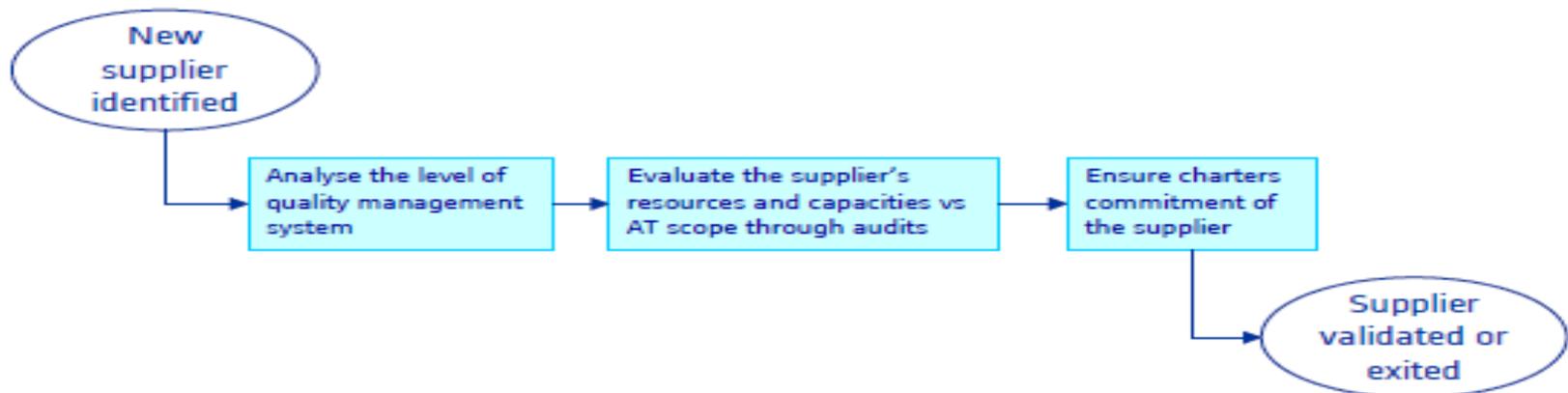


Figure 1 – AT SQ process flow chart





Thank You



We are shaping the future

ALSTOM