Located in Western New York State, the city of Hornell is in the southwest corner of the Finger Lakes Region. It is nestled in the Canisteo Valley, surrounded by tree-covered hillsides, with a population of about 10,000. The Alstom site is a mainstay of the city’s employment, and over 60% of Alstom’s supply base is in New York State. Hornell is in close proximity to some of the largest cities in New York State: 60 miles from Rochester, 40 miles from Corning and 93 miles from Buffalo.

Where we are
- By plane: Fly to Rochester, NY and then drive 60 miles, taking I-390 South and NY-36 South to the Hornell site.

Contacts
Tel. (1) 607 324-4595
Fax (1) 607 324-5601

Alstom Transportation Inc.
1 Transit Drive
Hornell, NY 14843
USA
www.transport.alstom.com

High performance culture

The Hornell Engineering Team, supported by a 3D Catia design office, works in real-time with Alstom’s worldwide design team to deliver designs which meet all customer specifications, regulatory requirements, and provide industry-leading reliability. Colocation ensures that designs incorporate testing, process improvements, packaging, shop layout and capacity analysis. The car assembly plant can produce up to 50 metro cars per month, and has run up to four major projects simultaneously. Since 1983 it has manufactured and refurbished over 6,000 passenger rail cars and locomotives. The propulsion plant is certified to manufacture any type of traction system for light rail vehicles, heavy rail vehicles, power cars, high-speed locomotives and diesel-electric locomotives. Alstom’s traction motors are recognized as among the most reliable in the world, designed to provide 20 million failure-free kilometers.

Hornell Manufacturing Center of Excellence
Creating the Future of Rail Transportation
Hornell - Manufacturing Center of Excellence
Creating the Future of Rail Transportation

Key dates
1851 - Site begins operation, one year after the first Erie Railroad wood-burning locomotive arrives in Hornell.
1997 - Alstom acquires the site from Morrison Knudsen and begins investing an eventual $50+ million.
2000 - Launches APSYS (Alstom Production SYStem) to implement “lean manufacturing”, reducing cycle time, increasing quality and promoting team involvement.
2004 - Delivers the 30,000th traction motor.
2005 - Adds a new 70,000 sq ft rail car shop for the first time.
2006 - Adds a new propulsion controller manufacture and test propulsion controller equipment in addition to AC and DC traction motors.
2008 - Morrison Knudsen and begins investing an eventual $50+ million.

Key figures
- 700,000 sq ft. total three facilities
- 2,000 employees
- 100,000 man-hours of Production per month
- Proven rail car capacity 50
- Proven motor capacity 280
- 12,000,000 production of Trucks (bogies) per month
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- Proven rail car capacity 50
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Versatile productivity
Hornell, NY is home of the largest passenger rail car facility in the US. This Alstom Manufacturing Center of Excellence includes an engineering department, a car assembly plant, a propulsion plant and a truck plant. Hornell is a railcar manufacturing site with the ability to manufacture and assemble the most reliable new and refurbished rolling stock in the US: rapid transit metro cars, commuter and intercity coaches and passenger locomotives. It also produces AC & DC propulsion and traction motors as well as electrical rotating equipment and other components. Alstom is the only manufacturer in North America to perform total on-site testing. The facility has a complete multiple testset, 40 MPH test track, and includes the US’s only climate room for testing and validating all types of rail cars for operations over an extreme range of climate conditions, from -20 to +140 degrees F and 5 to 95% humidity.

Delivering quality
Hornell’s Business Excellence Department is entirely devoted to quality control, to ensure customer satisfaction by delivering quality products, on time and on budget. These objectives are achieved by supporting the way each department manages its work, verifying the application and efficiency of the processes, procedures and instructions throughout the facilities, ensuring compliance with standards: ISO 9001, ISO 14001 and IRIS (International Railway Industry Standard).

The APSYS advantage
The Hornell site employs the Alstom Production SYStem (APSYS), which ensures sustainable and effective production: APSYS is defined by its standardization of operations, problem-solving, operator involvement and management of methods and tools for continual improvement. Use of common reference tools for data sharing of best practices across Alstom’s global operations. APSYS enables Alstom to ensure flexibility in its manufacturing processes, reduce cycle time, achieve productivity gains and deliver consistently high quality and factory safety. Thanks to APSYS, ISO quality certification is supported throughout Alstom’s activities.

Customers served include:
- New York City Transit (NYCT) 4, 000 new metro cars (6140 series)
- Washington Metropolitan Area Transit Authority (WMATA) 264 remanufactured metro cars (6000 Series); 104 new metro cars (5000 Series)
- New Jersey Transit (NJ Transit) 26 new diesel-electric passenger locomotives; 26 new Comet V push-pull commuter cars
- Chicago Transit Authority (CTA) 344 remanufactured metro cars (6000 Series)
- Metropolitan Atlanta Rapid Transit Authority (MARTA) 260 refurbished metro cars (6000 Series); 262 (2000/3000 Series and 120 (3200 Series)
- Amtrak 64 new “Pacific Surfliner” passenger rail cars; production for new Acela trains

Customers served include:
- New York City Transit (NYCT) 1,002 new metro cars (6140 series)
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