



CRRC MA Corporation

- CRRC is the world's leading Railway Transportation Equipment and Service Provider and has been in this sector since 1881 supplying products and services for 102 countries and regions.
- CRRC MA, established in 2014, is CRRC's first North American Company with headquarters located in Boston, Massachusetts.
- CRRC MA has won competitively bid contracts in Boston, Los Angeles, and Philadelphia, and is pursuing other active procurements.
- CRRC MA has established two manufacturing facilities in the U.S. including a \$95M investment in Springfield, Massachusetts, and another \$40M investment in Los Angeles.

CRRC MA Manufacturing Facility – North American Hub

- Facility comprised of a 204,000 square-foot rail car manufacturing facility on a 40 acre site allowing for future expansion.
- Excluding construction, janitorial and security, the Massachusetts workforce will be the recipient of approximately \$90,000,000.00 in wages for CRRC MA Springfield and Boston locations over the first 7 years of operation. Further CRRC MA's intention is to retain all of these positions after the MBTA order is complete. This workforce will be involved in final production of future US and North American rail projects.
- CRRC MA's facility is complete and operational with assembly underway of subway cars for **Boston's Massachusetts Bay Transportation System (MBTA)**.
- Workers are underway with manufacturing 152 Orange line cars for the MBTA. Vehicle manufacturing will continue through complete delivery slated for 2021.
- Red Line car production (252 vehicles) will begin mid 2019 producing 4 cars per month through completed delivery in 2025.
- CRRC MA has met all provisions of the Buy America Legislation.



Other Projects

- **Log Angeles County Metropolitan Transportation Authority (LACMTA)**. CRRC MA is designing and manufacturing under the base contract 64 subway rail cars with an option for additional 218 vehicles.
- CRRC MA has secured a 41,218 sq. ft. assembly plant in the Los Angeles area for general assembly of several key systems including propulsion, lighting, and HVAC. Not only will this facility provide equipment for the LA project, but also, will furnish equipment for future North American projects.
- Total committed investment (wages and benefits + manufacturing equipment and renovations of the facility and facility purchase equates nearly \$40m which will also be utilized by its suppliers).
- CRRC MA has contractually committed to a content value of 65% of U.S.-manufactured components and systems in each rail car pursuant to the FAST Act to meet Buy America requirements.
- **Southeastern Pennsylvania Transportation Authority (SEPTA)**. CRRC MA is designing and manufacturing 45 double deck commuter rail vehicles with one of its affiliated companies. These vehicles and all future North American rail car contracts will be assembled in Springfield, Ma.

Springfield, Massachusetts/Regional Impact

- As a result of CRRC's significant investment and growth, CRRC-MA's workforce comprises 257 employees. The manufacturing facility in Springfield employs 168 employees, including 108 union production employees.
- The Springfield workforce will continue to increase as we ramp up production for the MBTA's Orange and Red Line, and begin production for the LA METRO and SEPTA Transit systems.
- CRRC MA continues to work with local partners on the development of its workforce including: Springfield Technical Community College, Western New England College, Regional Employment Board, The Urban League, Putnam High School, FutureWorks, Veterans Inc., and Local Unions 7 & 63.
- Projects with the MBTA, Los Angeles Metro and Philadelphia's SEPTA will allow manufacturing work to continue in Springfield.
- By 2021, CRRC MA's Manufacturing Facility will be at peak capacity.
- In addition to locating its North American manufacturing hub in Springfield, Ma, CRRC MA continues to identify and build partnerships locally to trigger and maintain investments in the economy. From hosting trade fairs to sponsorships to participating in community events, CRRC MA remains committed to being a significant thread in the fabric of Western Massachusetts.
- CRRC MA's Manufacturing Facility is one of Springfield's \$2.5 billion economic development projects embraced by the City.

Technology Transfer and Training

- **Spring 2017**, CRRC MA sent 23 union members, several engineers, and production supervisors to CRRC's manufacturing facility located in Changchun, Jilin Province for a 3 - month rail car manufacturing training and technology transfer program. The team of skilled U.S. workers gained firsthand knowledge and invaluable skills that will be put into practice to assemble rail cars at CRRC MA's Manufacturing Facility located in Springfield, Massachusetts, and to teach future employees the intricacies of rail car manufacturing.
- Continuing development of our workforce will involve a continuous stream of U.S. teams to China to learn the latest innovations, practices and procedures to then transfer these technologies to their peers at the Springfield Facility. This same model is utilized for our engineering team based in our Research and Development Department in Boston.
- This transfer of roughly 100 years of rail car manufacturing experience will enable U.S. workers in Springfield to compete in the international rail car market for generations.
- While CRRC MA understands the importance of intellectual property (IP), the corporation's current manufacturing model utilizes none of the IP practices of concern to the USTR.

CRRC MA's Successes

- **March 2019**, CRRC MA wins Engineering News Record (ENR) BEST OF THE BEST Manufacturing Project. One of the best 20 projects nationally. A \$95m investment with a diverse union labor force including women in the trades.
- **August 2018**, CRRC MA wins ENR Best Manufacturing Project for *New England*. Chosen by four industry judges who reviewed and discussed 36 projects located throughout the New England region, CRRC MA was evaluated on the ability to overcome challenges, contribute to the industry and community, and safety and construction and design quality.
- **July 2018**, CRRC MA is the proud Silver Award recipient of the Annual Team Massachusetts Economic Impact Awards for the expansion of the corporation's operations in Springfield. The Team Massachusetts Economic Impact Awards have been presented since 2003 to honor companies that have made a significant impact on the Massachusetts economy. Past honorees have included Kronos, ThermoFisher, GE Healthcare, Shire, TripAdvisor, Clarks, and Autodesk, among others. Last year's awards luncheon attracted over 400 attendees from throughout the state.
- **June 2018**, CRRC MA is a qualified car builder for New York City Transit having participated in a stringent 3-year process requiring the design and manufacturing of products in accordance with New York City Transit (NYCT) technical requirements. Chosen as one of the select few to be considered a key player to improve the New York transit system, CRRC MA successfully gained certification as a supplier of carbody shells, truck system, and demonstration of system integration capability.
- **March 2018**, CRRC MA is the proud recipient of The Metropolitan Transportation Authority (MTA) Genius Transit Challenge Award. Of 438 submissions, CRRC MA's Engineering Unit was one of 8 finalists and ultimately 3 in the subway car category proposing a strategy to increase service capacity and reliability by developing a new subway car that will explore lighter materials, modular design, and modern train control technology.
- **March 2018**, CRRC MA along with Gannett Fleming was the proud recipient of the 2018 Silver award by the American Council of Engineering Companies of Massachusetts (ACEC) for Outstanding Professional Design Excellence for the CRRC MA Railcar Assembly Facility located in Springfield, Massachusetts.
- **April 2017**, CRRC is the proud recipient of a preservation award from the Springfield Preservation Trust. CRRC MA is recognized - under the category Adaptive Reuse of Commercial Restoration - for maintaining and restoring the historical Westinghouse Building to be used for administrative and engineering efforts at the 40 acre manufacturing facility site.