

# The city that never sleeps, never stops.



## TECHNOLOGY SOLUTIONS FOR THE FUTURE.

By 2040, there will be two million more people living in and around New York City. The subway platforms are already overcrowded with riders, and nine of the worst road bottlenecks in the country are in this region. NYC needs intelligent infrastructure—and transportation agencies are investing in just that. Siemens has developed new, intelligent mobility solutions that increase availability of existing infrastructure, optimize throughput and improve passenger experience.



### AMTRAK

Siemens is manufacturing 70 next-generation electric locomotives for Amtrak to run in and out of New York City along the Northeast Corridor.

The locomotive's regenerative braking feeds power back into the grid, which could save over 3 billion-kilowatt hours of energy and **\$300 million over 20 years.**

### CBTC SYSTEM

The upgraded CBTC system has allowed MTA to handle and sustain increasing ridership on the line over the last 20 years. Annual subway ridership is 1.751 billion. That's the 7th highest in the world.

In similar systems across the world, Siemens CBTC system is **increasing line capacity by up to 20% and cutting annual energy consumption by 15%**. On the Canarsie Line (L Train), ridership has **increased by 27%** since CBTC was installed in 2007.



### MTA METRO NORTH/LIRR PTC

Siemens is installing Positive Train Control (PTC) technologies on two of the largest and busiest commuter lines in the U.S.

This will increase efficiency and safety on 700 miles of track that serve **80 million passengers per year.**

### CONNECTED VEHICLE

Driverless cars are an innovative idea for the future, but we can do a lot right now to practically eliminate crashes and manage traffic more effectively.

According to the USDOT, Connected Vehicle technology could **reduce unimpaired vehicle accidents by 80%**.



**EMPLOYEES:**  
Home to approximately 4,000 employees, NYC serves as central headquarters for Siemens.

100 employees work within Siemens Mobility at locations like their midtown R&D lab.



**SUPPLY:**  
Siemens has developed a significant pipeline of more than 380 manufacturers, distributors and suppliers across the Northeast Corridor.

Siemens partners with close to 140 suppliers across the New York and New Jersey region alone.