Building Tomorrow’s Infrastructure Today.

As a digital leader and city infrastructure expert, Siemens is working with cities across the nation to make static infrastructure flexible for the future.

U.S. cities are in a competitive race to build resilient infrastructure, provide a sound business climate and ensure their residents have a high quality of life. Siemens is working with over 100 U.S. cities, including those home to the more than 50,000 Siemens employees, to revitalize and reinvent energy, building, and transportation infrastructure.

By collecting, linking and understanding the vast data that infrastructure holds, cities are able to more effectively plan, invest and deliver services that best meet the needs of their residents and businesses.

America’s infrastructure will need to accommodate 70 million more people by 2045.

Megacities will hold 75% of the U.S. Population.

U.S. cities need $510 billion in infrastructure investment by 2030 to prepare for the increase in population.

City Performance Tool

The City Performance Tool (CyPT) guides cities on infrastructure-related investments. Based on technology choices, the CyPT results illustrate how a city can achieve their environmental targets, while highlighting associated job creation benefits.

How Will Cities Need To Prepare?

MAKE BUILDINGS SELF-SUFFICIENT

Cities must harness infrastructure’s data through cloud-based platforms. From a train’s operating status to sewer situations to the electrical grid to air quality sensors, utilizing infrastructure data across very thin timelines, competitive and ensure quality of life.

Buildings are a crucial part of a city’s infrastructure, equating to 40% of energy usage globally. By making buildings autonomous and smarter, cities will see energy efficiency benefits as well as safer and more comfortable environments for their residents and those who utilize the infrastructure.

HARNESS DATA

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Los Angeles

Could have an increase in electricity consumption of more than 1,000% from electric transportation investments to meet its pLAn sustainability goals.

New York

Could see the creation of more than 500,000 new jobs with the implementation of the Regional Plan Association’s Fourth Regional Plan.

Minneapolis

Will need 125 miles of bike lanes and 70,000 electric charging stations by 2050 to meet the city’s climate goals.

Siemens is putting forward a vision to help cities optimize infrastructure, from connecting data through cloud-based platforms, to pioneering new solutions to improve air quality and build low-carbon economies, to financing projects through public-private partnerships. Visit usa.siemens.com for more information.