Intelligent City. Bright Future.

current
powered by GE

Industrial Internet: Turning Challenges into Opportunities

From parking and traffic to weather analytics and air quality, cities face challenges that affect revenue and citizen well-being. But components are in place to help drive smarter solutions. If you're not embracing Industrial Internet trends to create your Intelligent City, you will fall behind.

Internet of Things
A living network of machines, data and people

Intelligent Machines
Increasing system intelligence through embedded software

Big Data
Transforming massive volumes of information into intelligence

Analytics
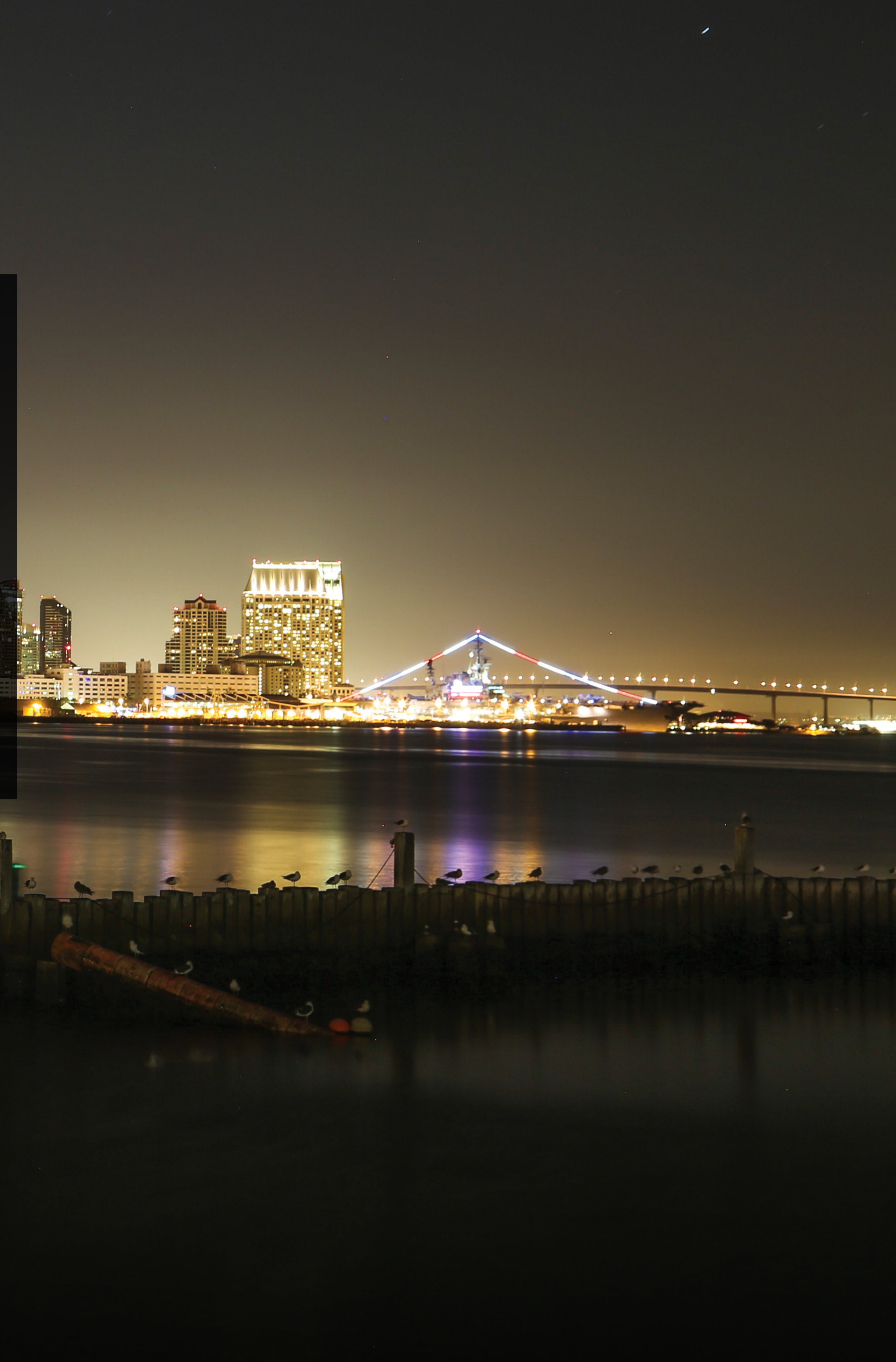Generating data-driven insights and enhancing asset performance

Intelligent City: Defined

Intelligent Cities start with a light. Intelligent LED street lights have sensors, controls, wireless transmitters and microprocessors built within. The cloud-based Predix platform from Current, powered by GE, collects and analyzes data to help cities react to and predict the future of the world around them.

Intelligent City: San Diego

San Diego was the first city to implement GE's LightGrid™ Outdoor Wireless Control System, embedded into more than 3,000 light fixtures, transforming them into intelligent, connected devices. This gave the city more control over their lighting, helping San Diego be more efficient and setting them up to be an Intelligent City.

Intelligent City: San Diego

Savings

- LED reduces energy use by an average of 50–60% per fixture

- $250,000 (2,537,000 kWh) energy savings annually with LED fixtures

- $254,000 annual maintenance savings

- CO2 emissions reductions: 5,074,000 lbs. saved

- Additional 30% energy savings expected with dimming capability added from LightGrid

Intelligence Into Action: Apps

City-changing apps built on the Predix platform bring applied value and optimized tools that respond to challenges before they arise and prevent others before they happen. With Predix, data from anywhere (beyond the sensors embedded in the fixture) can be harnessed, and the open platform allows for app development across the city.

Advanced Lighting Control

Parking Optimization

Asset Management

Traffic Optimization

Environmental Monitoring & Analysis

Intelligent Future:
Build a Legacy

An Intelligent City uses digital technology to enhance performance of devices and services, thereby generating new revenue, increasing citizen and visitor satisfaction, creating jobs, and reducing costs. Together, let's build your intelligent city of the future.