SMART CITY POWER OPTIMIZATION

Smart grids are capable of generating, transmitting and distributing power more efficiently, while also collecting valuable data points that can improve management of utilities. Reliable and efficient power is a critical foundation for cities to achieve sustainability despite increasing urban density.

CITIES THAT UTILIZE SMART TECHNOLOGY CAN IMPROVE THEIR ENERGY EFFICIENCY BY 30% WITHIN 20 YEARS.

Source: CISCO, Digital Cities: Building the New Public Infrastructure.

WHAT WE HEAR
City officials are dealing with a variety of challenges:

- Meeting RENEWABLE ENERGY goals
- Rapid response to OUTAGES
- Restrictions of LEGACY ELECTRICAL INFRASTRUCTURE
- Ensuring an ALWAYS-ON environment
- Reducing UTILITY COSTS

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Infrastructure as a Platform by Anixter provides a practical, configurable and integrated approach to optimizing power throughout your city.

**SUSTAINABLE POWER CHAIN**

**The Anixter Approach**

Anixter's approach provides a clear set of guidelines and best practices for optimizing power throughout your city.

- **Power Generation**
  Design scalable solutions that cater to increased urban density and evolving energy sources.

- **Power Distribution**
  Utilize automation technology and material handling services to increase efficiency and proactive maintenance of your distribution system.

- **Power Transmission**
  Provide adequate grid hardening with physical security solutions and reduce potential go-forward maintenance costs.

- **Power Management**
  Maintain monitoring and control of critical substation loads and support smart metering technology for accurate consumption measurement.

**YOUR POWER OPTIMIZATION PLATFORM**

**Anixter Engagement Process**

- **QUALIFY**
  Understand your current state and business drivers

- **ASSESS**
  Identify gaps in your current infrastructure

- **PLAN**
  Define actionable solutions and configurations to execute

- **TRIAL**
  Propose proof of concept with Anixter partners

- **DEPLOY**
  Deliver your project on time and under budget

You can further enable interoperability by leveraging our expertise in technology sourcing, inventory management, product enhancement, logistics and e-commerce tools.

**PRODUCT SOLUTIONS**

- Conduit, cable tray, boxes and fittings
- Controls, relays, pushbuttons
- Fuses, cutouts and safety devices
- HMI, power line controllers
- Outdoor lighting solutions
- MRO and safety products
- Poles, structures and substation connectors
- Smart metering and testing
- Switchgear and transformers
- Medium and high-voltage cable and accessories
- Anchors, foundations and baseplates
- Connectors, fittings and assemblies
- Outdoor and underground enclosures
- Insulators and arresters
- Lineman grade tools
- Pole line hardware
- Video surveillance

**FOR MORE INFORMATION VISIT ANIXTER.COM/SMARTCITY**

At Anixter, we enable the connected world. By building, connecting, protecting and powering valuable assets and critical infrastructures, we help to sustain and grow businesses and communities worldwide. We accomplish this by offering full-line solutions, technical intelligence, supply chain expertise and an unmatched global distribution network.