



**WESCO<sup>®</sup>**  
**UTILITY**



# Smart Technology *Solutions*

WESCO Utility is positioned to support the future growth of a number of new smart technologies by delivering designs, products and supply chain solutions to utility networks and communities.

**Smart Grid**

**Distributed Generation**

**Lighting**

**Renewables**

**Electric Vehicles**

**Smart Poles**



## Smart Grid

WESCO supports smart grid digital technology that allows for two-way communication between the utility and its customers. This allows a more efficient transmission of electricity, quicker restoration after power disturbances, and reduced operations and management costs for utilities.

- Programming and configuration of devices
- Provision of telecommunication options including fiber, cellular, ethernet, RS232/485, AMI, PtMP radio, satellite, and more
- Metering application features including time-of-use, net metering, bidirectional metering, reactive/power factor billing and interval data

## Lighting

WESCO offers robust lighting solutions for utility applications including options for facility, outdoor, street, and venue lighting.

- Lighting certified professionals to oversee complete project scope, including simple and investment grade audits, financial modeling, photometric design, and project management
- Support in identifying rebates, tax incentives, and financing options, in cooperation with the WESCO Energy Services team (WES)



## Electric Vehicles

Electric vehicles help increase energy security, improve fuel economy, lower fuel costs, and reduce emissions. WESCO is helping utilities and municipalities meet the demand for charging infrastructure and equipment to support this rapidly expanding market.

- Wide selection of charging units
- Design of networks and storage
- Assistance for grant writing and local/state/national incentive programs
- Software for network monitoring and load balance





## Distributed Generation

WESCO's distributed generation resources enable utilities to combine a variety of technologies such as solar, wind, natural gas and hydro generation into a single controlled network. This can help support delivery of clean, reliable power to additional customers and reduce electricity losses along transmission and distribution lines.

- Deliver decentralized, modular and flexible designs
- Build network control centers
- Provide emergency generation, battery storage and backup options for energy security and resilience

## Renewables

WESCO is a trusted resource for renewable energy solutions such as solar and wind integration that provide clean, inexhaustible and increasingly competitive energy.

- Design services to leverage distributed energy power plants
- Expertise and product recommendation for solar, storage and generator integration
- Cost savings analysis for infrastructure upgrades
- Roadmap assistance for green initiatives and goals set by utilities and communities



## Smart Poles

WESCO's smart pole solutions increase efficiency while reducing energy costs. Smart poles provide many advantages due to their ability to incorporate software controls, electronics and sensors that can receive and transmit data.

- Provide enhanced communication, video, audio and security in communities
- Integrate AMI / AMR and other mesh networks
- Provide better analytics on networks
- Enhanced control capabilities for utilities and municipalities



# Value Creation Solutions for Projects

WESCO's enhanced visibility tools for real-time analytics, tracking information, and performance metrics result in demonstrable savings, helping you maximize your project.

Our comprehensive portfolio of Value Creation Solutions includes sourcing, procurement, materials management, production support, and system-wide logistics services that enable us to assist utilities in optimizing their supply chain processes and minimizing total costs.

## Project Lifecycle Support

- Technology road-mapping
- Requirements gathering
- Consultant recommendations
- Vendor contract negotiation
- Network design
- Budgetary estimates
- Telecommunications backhaul selection
- Project management
- Cross-docking
- Inventory management
- Kitting
- Device and network infrastructure installation
- Training
- Warranty and RMA support
- Software support
- Business process change management
- Customer user group coordination

## Project Management

- Purchasing / bill of materials / invoicing
- Customer and vendor approval cycles
- Vendor communications/negotiations
- Logistics – staging, storage and kitting
- Change / risk management
- Monitor and control
- Reporting
- Close out activities

**To learn more or to connect with a sales representative, please contact us at [UtilitySmartNetworks@wescodist.com](mailto:UtilitySmartNetworks@wescodist.com).**

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WESCO International, Inc. (NYSE: WCC), a publicly traded Fortune 500 holding company headquartered in Pittsburgh, Pennsylvania, is a leading provider of electrical, industrial, and communications maintenance, repair and operating (MRO) and original equipment manufacturer (OEM) products, construction materials, and advanced supply chain management and logistic services. 2018 annual sales were approximately \$8.2 billion. The company employs approximately 9,100 people, maintains relationships with approximately 30,000 suppliers, and serves approximately 70,000 active customers worldwide. Customers include commercial and industrial businesses, contractors, government agencies, institutions, telecommunications providers, and utilities. WESCO operates 10 fully automated distribution centers and approximately 500 branches in North America and international markets, providing a local presence for customers and a global network to serve multi-location businesses and multi-national corporations.



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