China, India, and Latin America are now virtually 100 percent electrified, and only Africa has large populations without electric power. New power generation is dominated by natural gas and distributed renewable wind and solar. Some renewable installations are arranged with batteries to form a microgrid capable of island operation and able to compete in the utility markets. Smaller, more responsive natural gas generating plants and grid-scale batteries play important roles for grid reliability. There is little future for coal, and the nuclear industry has yet to approve safer Gen IV reactors.

The utility industry has always needed transmission and distribution systems to connect generation to loads. New generation can include some large remote renewable installations, and this does require planning and changes to the T&D infrastructure.

There are new driving forces in the electric utility market. Outages due to weather events have highlighted the need for reliable power. The expected electrification of transport (EVs) and buildings shows projections for steady growth over the next 10 years. The need to include flexible loads down to the residential level in new markets for demand response implies there is much change ahead.

This market report includes the latest trends in IEDs, cybersecurity, communications standards, and software applications. Learn about regional differences in the T&D SCADA market, what technology is catching on, and the new players in this market segment.

For more information, please visit us at www.arcweb.com/market-studies/.