Electric utilities use SCADA systems to detect two key things within the transmission and distribution (T&D) of electricity: current flow and line voltage. They monitor the operation of circuit breakers and also take sections of the power grid online or offline.

The dominating dynamic in this market is that developing countries are more than likely to continue expanding their grid infrastructures through the next two to three decades. This is across the board with all developing countries, with the dominant ones being China and India.

Simultaneously, developed countries are upgrading their grid infrastructures and addressing cybersecurity.

The electricity utilities had not been adopting the edge device and Industrial Internet of Things (IIoT) technologies as rapidly as the discrete and process manufacturers, because their main concern was to keep the grid operational, rather than using smart devices to gather huge amounts of Big Data. However, that is changing, as the suppliers are educating the utilities of the benefits of edge devices and IIoT.

While North America and EMEA will continue to provide growth areas, Asia is the hot spot for growth over the five-year forecast period. China and India, with their large geographically dispersed populations, will show the most activity, in both new and retrofit implementations of T&D SCADA.

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