**PREMIER**

#400 – Power Quality

Power quality talks about how well the electricity delivered to electrical equipment matches the desired characteristics. This is an essential aspect of electrical power distribution. The utilities have a major role in ensuring that the power is supplied to consumers, meets the required stands. There are standards published to regulate and provide guidance on Power Quality at different levels based on the type of application. It incorporates a wide range of parameters that impact the performance, reliability, and safety of electrical equipment. This discussion will be targeting the following topics: Overview of power quality in distribution system, Standards that guide PQ monitoring in power systems (IEEE, ANSI, IEC, etc), Selection of meters for metering, and how to capitalize on power quality information across the distribution system.