

# POWER QUALITY AND CONDITIONING MONITORING

## OVERVIEW

Modern sensitive equipment and devices require a continuous and good quality electric power supply. The term power quality is generally used to express the quality of supply voltage. With the ever-increasing use of power electronic devices in power transmission and distribution, and the non-linear nature of certain loads, the waveform of the supply voltage is severely distorted, thus causing power quality problems. Good understanding of the various aspects of power quality problems will help the engineers to devise appropriate solution techniques. In this short course the basic concepts of power quality problems, definitions, and standards are discussed.

## TARGET MARKET

Department:

- Facility department
- Utility engineers
- Electrical engineers
- IT centers
- Industrial production
- Maintenance department

## COURSE OUTLINE

- PQ introduction
- Power quality standards
- Power quality monitoring
- Power quality analysis
- Power quality solutions
- Condition monitoring
- Vibration monitoring
- Fault diagnostics
- Advanced condition monitoring
- Power quality case studies

## OBJECTIVES

- To analyze power quality issues and their affect on industrial equipment
- To estimate the cost of power quality disturbances
- To identify relevant IEEE/IEC Standards and their application
- To determine the instrumentation for power quality and condition monitoring studies
- To develop power quality & condition monitoring analysis techniques
- To analyze the power quality & condition monitoring practices in the industry

**SBL CLAIMABLE**



If you have any enquiries, please contact:

+60 (3) 5621 3630 or email:

[info@comfori.com](mailto:info@comfori.com)