

## Energy Efficiency and Power Quality

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Energy efficiency and power quality are two important parameters in the application of electric power in modern industry. These two aspects have taken a priority in as global warming becomes a reality all over the world. Power electronics plays a very important role in achieving the practical implementation of converters and motors drives with reduce losses and harmonics.

The tutorial will go through basic definitions of power quality according to international standards and several typical examples will be shown on how this can be accomplished. The case studies presented during the tutorial will cover a wide range of industrial applications and power levels, highlighting the design and practical aspects that need to be considered in each case.