## Fault Zone – Power Quality

The Power Quality fault zone focuses on the condition of the voltage and current in a motor's branch circuit. Poor power quality can greatly affect the operation and health of an electric motor. During operation several stresses are brought to bear upon key components of the motor. Variances or distortions in the voltage powering a motor results in increasing both thermal and electrical stresses to the stator windings and in some cases components of the rotor.

MCEMAX powered by MCEGold<sup>™</sup> provides you many ways to analyze and evaluate your power quality. MCEGold not only provides you with a snapshot of your power quality, it also allows you to evaluate the individual voltage and current harmonics out to the 50<sup>th</sup> harmonic.

