Understanding Single & Three Phase Power and Plant Distribution

- This section covers the Electrical Power Generation & Distribution:
- Cut your power bills and extend the life of your equipment by using power factor correction.
- Choose the safest methods for power distribution.
- Configure wye and delta branch and feeder circuits to provide a balanced power system.
- Learn which voltage connection to avoid and prevent equipment damage.
- Determine phase-to-phase and phase-to neutral voltages and currents.
- Distribute power through your plant via switchgear and busways.
- Rectify AC power into DC power.
- Make sure you place correction capacitors in the right place or else your motor overload heaters won't work right and you'll burn out your motors.
- Provide a safe ground bus—for safety and proper equipment operation