



Harmonic Study

Do you have an abundance of nonlinear loads from variable frequency drives, electronic power supplies, or electronic ballasts?

Do you use sensitive electronic measuring equipment that might be susceptible to poor power quality?

When electronics and solid state controls are added to a facility, there is a risk of increased distortion from nonlinear loads. Harmonic studies can help you identify ways to reduce harmonics and improve power quality in your plant.

Why conduct a harmonic study?

- Improve equipment reliability
- Improve efficiency by reducing excessive heating or heat loss
- Minimize inaccuracies in measurement equipment due to power quality sensitivities

How can Interstates help?

- Mathematically model the system to identify potential problems
 - Determine the quality of the electrical power
 - Work with your utility company to determine limitations of harmonic injection into the electric grid
 - Offer solutions to reduce harmonic intake and injection back to the utility company
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