Intelligent Motor Control
With
Variable Voltage Drive (VVD)
Capabilities means cost savings

With energy costs rising and increased pressures on the suppliers it is important that you examine all alternatives to lessening your energy costs.

The Powerboss family of intelligent motor controllers provides a way to do just that.

We have seen energy usage charges reduced by 45%

Demand charges reduced 40%

Give us a chance to show you how much you could be saving by using intelligent electric motor control.

Intelligent Motor Control with Variable Voltage Drive (VVD) Capabilities for Alternating Current Motors and Commercial and Industrial Applications. Your complete fixed speed Motor *Solution!*

Owl Entergy Technologies

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Owl Entergy Technologies

Our Intelligent Motor Controllers
Your Wise Energy Savings Choice

Are you concerned with your energy costs?

Do you operate constant speed AC electric motors?

If you answered yes to both questions we can help!

Learn how by reviewing this brochure

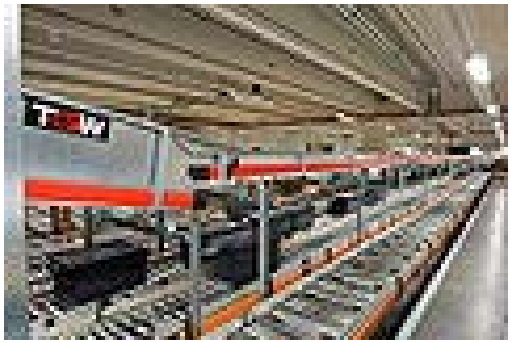
Tel: 914-771-9114

Intelligent motor control for AC constant speed motors

Electric Motors can be energy hogs

A large user of energy in most organizations are constant speed electric motors that are found all over the place. They are in elevators, escalators, conveyor belts, machine tools, and air handlers to name a few examples

Every one of them consumes large amounts of energy even when they are not performing useful work as they are kept operating at a constant speed even if there is no load.



And if you start and stop the motors you create additional wear and tear on the components. such as pulley and belts, compounds with each start and stop.

Fortunately technology has come to the rescue with the development of Intelligent electric motor controllers.

What is the technology behind Intelligent Electric Motor Controllers

The technology uses thyristors to accurately control the voltage applied at the motor terminals. The thyristors adjust the voltage to the motor terminals by precisely controlling turn-on points. This provides just sufficient voltage for the motor to accelerate the load.

This means the voltage applied to the motor starts from a relatively low value and increases to full voltage. Since motor torque is proportional to the square of the applied voltage, the starting torque increases in a stepless manner ensuring a soft start for both the motor and the driven load.

How do they save energy?

The Motor Controller adjusts the output voltage to the motor according to the torque required to do its job, this in turn decreases the current.

Thus the motor uses only the power (volts times current) necessary to do the work at hand.

How to determine what you can save?

It's as easy as 1-2-3

Give us a call to:

1. Discuss your applications
2. Determine your energy savings opportunities
3. Discuss how to verify and realize these energy savings opportunities

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