

The Technology Consortium, Ltd. – The *HELP* System

APPLICATIONS



The *HELP* System's Smart-Microprocessor is the refinement that optimizes VFD motor controls.

Ideal applications for The *HELP* System are:

- HVAC Units
- Chiller Pumps
- Air-handlers
- Compressors
- All 3-phase motors



TECHNOLOGY

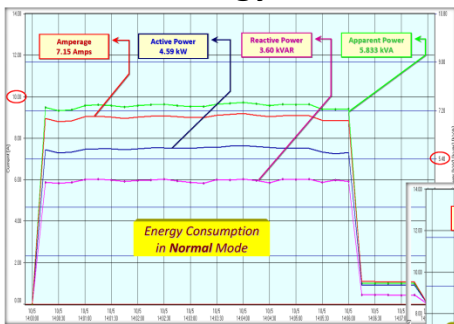
OBJECTIVE: The *HELP* (High Efficiency Local Processor) System will Reduce your Energy Costs 30-50%! Our New Smart Microprocessor-Algorithm VFD motor control Technology optimizes motor operation!

BENEFITS:

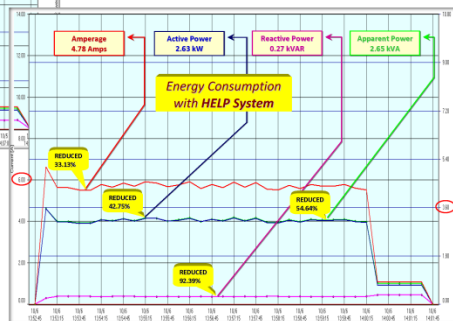
- The *HELP* System Retrofit does not require replacing any existing equipment and can easily be transferred to new equipment!
- Fuzzy-logic and stepless controls optimize your savings!
- Power conditioning protects motors from any harmful effects!
- Bypass circuits protect your equipment from abnormal power conditions and allows your process/equipment to remain in service without interruption!

SPECIFICATIONS & TRL

• **Technology Readiness Level 9 (as of 9/30/07)**



These charts show the dramatic energy reduction and power conditioning effects of the *HELP* System



The *HELP* System constantly monitors the process to optimize and adjust the motor speed.

COMPANY & PARTNERS

• **Technology: The Technology Consortium, Ltd.**

- Ron Hoffman / President
- 864-277-1645
- Ronhoffman@TheTechnologyConsortium.com

• **APC Partner: Dakota Defense Alliance**

- Roxane Gleghorn, Program Manager
- roxane@dakotadefensealliance.com



WHEN YOU NEED TO BE SURE



CERTIFIED CONFORMANCE TESTING

