

HVAC: THE REAL COST OF DOWNTIME

Continuous Process, Discrete Process, and HVAC/Facility



Electric Motor Systems

consume **59%** of all electricity generated in the U.S.*



You can't manufacture time.

Downtime in continuous process plants simply can't be made up. Every minute that a process is down costs you money.

According to a **World Green Building Council** study, energy-efficient heating and cooling systems improve ventilation and comfort – **raising worker productivity by 11%.**



398,964 hours

The high MTBF rating on Fuji Electric's FRENIC-HVAC means less unplanned downtime for your equipment.**

Whether continuous, discrete or HVAC/facility, **there is a price to be paid for unreliable motor control.**



Running additional shifts or paying overtime in **Discrete Process Manufacturing** to make up for downtime results in **increased labor costs and increased energy costs.**



A properly maintained heating and cooling system can improve indoor air quality by removing allergens, toxins, and microbes

That's why employees of efficient buildings took three fewer sick days per year, according to a study by the **University of San Diego** and the **C.B. Richard Ellis Group.**



With over **1.2 billion** electric motors used in the U.S. and often tucked out-of-sight, outages occur more often they should.***



And they always cost more than you want.

Fuji Electric monitors capacitors and other critical components; **Maintenance alarms will alert you BEFORE an outage occurs.**



*The Impact of Condition on Motor Efficiency and Reliability, Howard W. Penrose, Reliable Plant

**Product RoundUp: Motors and drives refuse to stand still, Control Global

***US Electric Motor Market Witness a Spike in Growth Pace Recent Improvements in Pricing Models: FMI, Prasad Dhupal