

VoITTraker reduces downtime

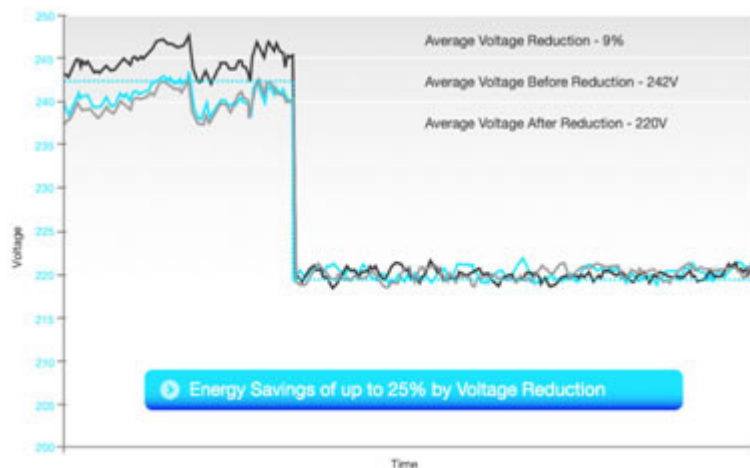
Modern power equipment rely on a stable supply voltage to operate at its best , that's where the **VoITTraker** comes in , power utilities are legislated to delivery voltages at +10% and - 6% variation (averaged over a five minute period) and in many cases the equipment will not operate or shut down at these levels.

VoITTraker saves money

It's not JUST about downtime, substantial cost saving by delivering to the site location the correct supply voltage to achieve the optimal efficiency , remember ... a small variation in supply voltage can result in a large increase in power consumption.

That's high or low voltage, overvoltage can saturate the iron core of motors making then inefficient and consuming more power, under voltage does not provide the energy to the motor once again making motors in efficient and consuming more power.

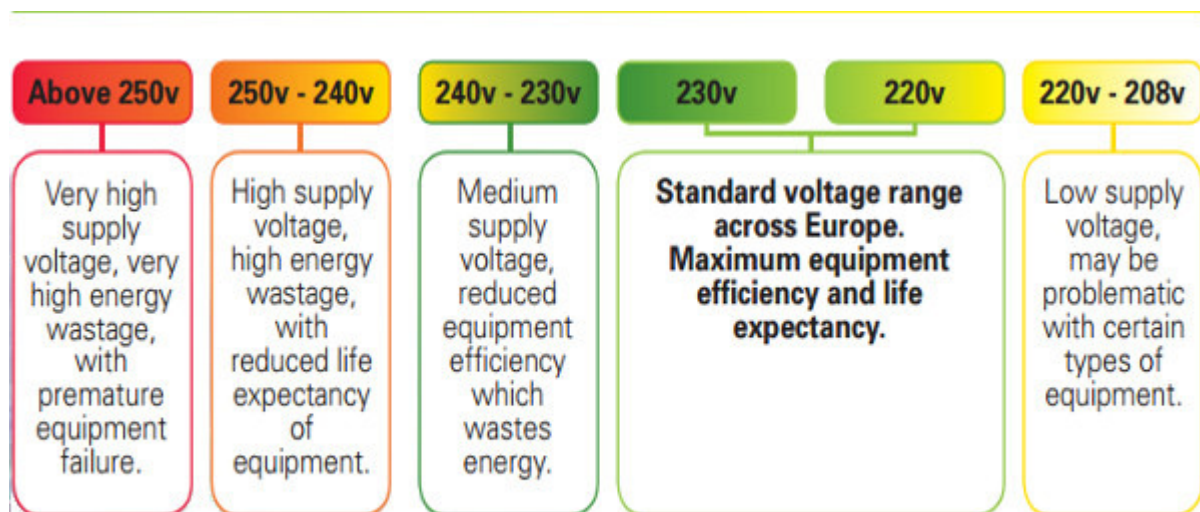
Cost savings in the region of 20% or more can be made when the correct voltage is delivered to site.



VoITTraker prolongs equipment life

Overtoltage and under voltage reduces the equipment life, you need a system that monitors both and maintains a constant voltage to receive the full benefits

Available in single or three phase 50KVA and above, with three phase also offering phase voltage balancing



VoITTraker case study,

D.E.C Narrogin Western Australia installation 2012



This small scale rural venture is run from a 480volt single phase supply and incorporates some sophisticated equipment like VSDs and control equipment that will not operate on an unstable power supply.

An operation like this one is fed from 2 x 25KVA supply transformers and the voltage supply is legislated to provide 480VAC single phase at +/- 6%, so this would be 452VAC > 508VAC averaged over a five minute time period.

The equipment being fed from this supply would experience regular shutdown under these conditions, that's where the VoITTraker system comes in, a stable power supply (+/-2%) from a power source that varies from 442VAC to 490VAC, **with considerable power saving** .



VoITTraker H.M.I panel

VoITTraker case study

Twin Lakes Manjimup W.A, Brad Ipsen:

We fitted the VoITTraker on Saturday to our electrical circuitry after many problems with our refrigeration equipment constantly tripping out on low voltage.

The new compressors that we have fitted and upgraded to in the last 3 years all come with electronic controllers and are much less tolerant if volt irregularities than the older mechanical type. Ironic more efficient motors equalled greater requirement for constant power feed.

After consulting with Peter from POLYPHAZ we decided to install a VoITTraker.

Sunday was the first day that I haven't had to reset and restart the ice machine for months and months.

We could run all our equipment without any alarms and faults even in the very hot weather we have had this week.

Previously when it gets above 34 degrees we would swap equipment over to a diesel genset to take the load off. Not this week and we have been at full capacity all week.



Only wish we had this machine 3 years ago. Regards
Brad Ipsen



This site is supplied by 2 x 50 KVA single phase pad mounted transformers feeding a POLYPHAZ R75/480c rotary converter under full load in input power consumption is 145Amps @ 480 VAC single phase.

Under full load conditions the voltage drops from no load 502 VAC to 452 VAC and starting down to 440 VAC thereby making the operation of this voltage sensitive equipment unviable, with the VoITTraker fitted this provides a constant 480 VAC supply under all conditions , reducing down time , reducing energy consumption, and reducing operational costs.

