

Get a *stable* power supply from an *unstable* power supply with **VolTTraker**



Many larger scale rural ventures are run from a 480volt single phase supply and incorporate 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 $\pm 6\%$, 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 VolTTraker system comes in, a stable power supply ($\pm 2\%$) from a power source that varies from 442VAC to 490VAC



VolTTraker H.M.I panel



VoITTRaker adjacent to Main DB



2 x 7.5 KW VSD pump controllers



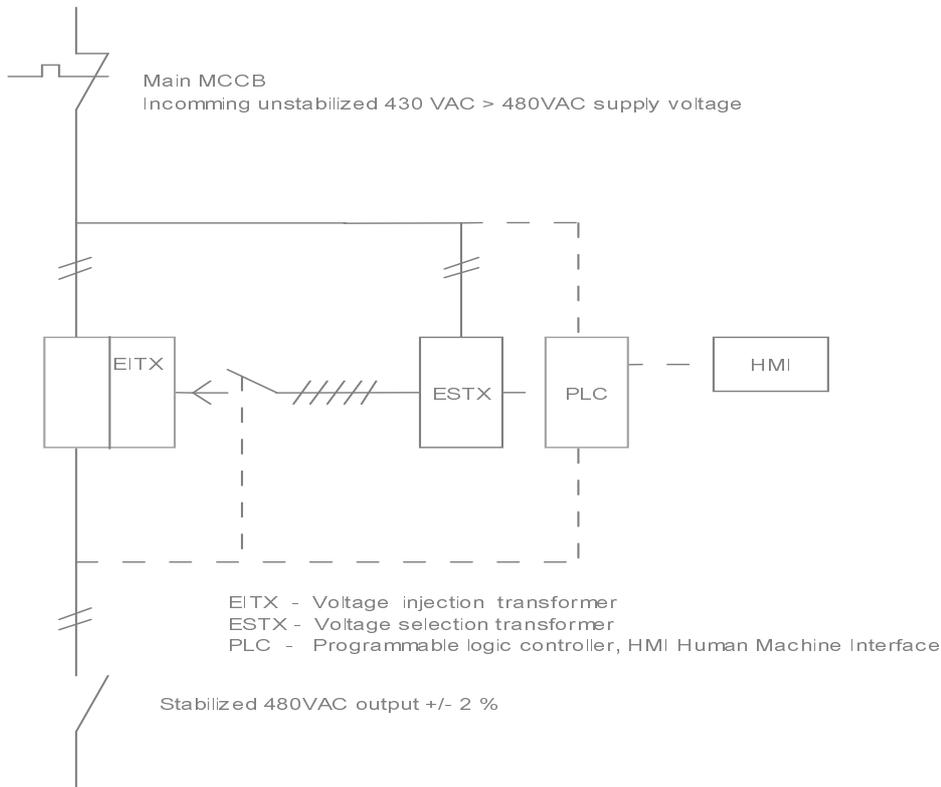
11KW and 7.5KW compressors



POLYPHAZ converter

How it Works

The incoming and outgoing voltage are monitored by transducers and feed to the processor with voltage added or taken away dependant on supply voltage, response time is 20msec with no interruption to outgoing supply voltage, diagnostics can be achieved by the HMI panel that also give a indication of incoming and outgoing voltage levels. This system works for single and three phase supplies and any voltage networks.



Visit our YouTube web site:

https://www.youtube.com/watch?v=lt_DcDTsPSI