



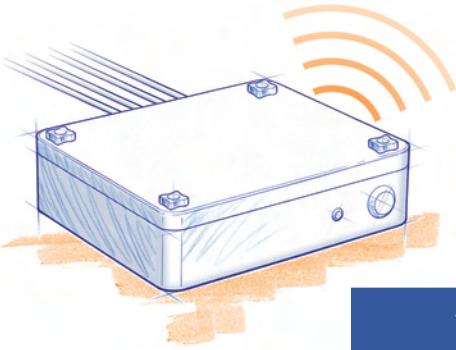
How does it Work?

The VibPod wakes up at pre-defined intervals and collects a data set, that data set is then encrypted and passed to a Web server through a WiFi ADSL access point.

The Condition data are sorted into symptoms and those symptoms compared with alarms and fault rule sets to produce an accurate condition assessment.

Status is displayed in a simple Red, Amber, Green format with the recommended maintenance action shown beside the problem asset.

VibPod Specifications



VibPod Wireless Surveillance Pod (time and frequency domain trace capability)

No of Vibration channels	4 channels (ICP or AC input)
No of process channels	4 channels (DC)
Frequency Increments (Hz)	50,100, 200, 500, 1k, 2k, 5k, 10k, 20k
No of Lines	100, 200, 400, 800, 1.6k, 3.2k, 6.4k
Filter Options	2Hz and 10Hz HP
Pre-Demodulation Band Pass Filters	5kHz demod roofing filter
Measurement Parameters	Time & frequency domain (g's, demod g's and velocity)
Wireless Capability	802.11b
GPRS	Via Router
Power	Via SAFT battery or 18-30Vdc

Key benefits of this solution

- Pick up of shaft, coupling, unbalance, bearing and gearbox faults in time for remedial action.
- Wireless data transmission and battery power keep the installation costs to a minimum
- Web based software means there are no IT problems and you can view your plant condition from any browser anywhere

Browser Software

- Configuration of Readings
- Alarm and Diagnosis of data sets (auto and remote expert)
- Issue of Maintenance Recommendation Reports (Report Library)
- Plotting and Trending
- Logging of non-vibration parameters
- 2 logins awarded per contract

ABC Global Holdings: Alume Ltd: Queensferry: Cool Tower 1										
22nd February 2008						History				
Area	Criticality	Feb 2008	Maint. Action	Done	Acc %	Jan 2008	Dec 2007	Nov 2007	Oct 2007	Sept 2007
Fan 1-1	0	✘	balance	✔	99%	⊖	✔	✔	✔	✔
Fan 1-2	0	✔	none		-	✔	✔	✔	⊖	✔
Fan 2-1	0	✔	none		-	⊖	✔	✔	✔	✔
Fan 2-2	0	✘	service	✔	97%	✔	✔	✔	✔	✔

snippet of SmarTrend status view

Support Accessories for balance of Plant

- Hand-Held Vibration Collectors (USB-Vib)
- Collection of process data using PDA's
- Inaccessible sensor wiring kits with (USB-Vib Adaptors)
- Full diagnostic/ balancing/ troubleshooting visits



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