

Optimise Asset Reliability through the use of Mobile Condition Assessment

The OLD – Expensive, complex, in-flexible

Vibration based condition assessment is a well established and proven method in the battle towards reliability and maintenance cost reduction. However, the cost of vibration data collectors and associated software starts in the £8k-10k price range with the associated training and upkeep of training representing 30-50% of the initial spend per annum.

The software will only run on a single PC (network software solutions cost extra) and the data collector will only collect vibration data.

The BENEFITS

Maintenance budget savings of 30-50% are typical with a resulting breakdown reduction approaching 90% (refers to rotating machinery only).

The NEW - Low cost, smart, web based

Load the condition check routes using your PDA from any wireless internet connection (no PC required). Travel to the various sites and collect the route based data. The PDA could also have your standard site checks and visit requirements. Major maintenance interventions should be driven by rotating plant condition NOT calendar or hours based use.



Unload the routes from the PDA in the evening or during the day from any wireless hotspot (you also have the opportunity to load 'ad-hoc/extra' routes at this time).

The cost for this solution including the industrial PDA, the USB accelerometer and **two** logins to SmarTrend is around **£2500**.

The solution is designed to interface with Computer Aided Facilities Management (CAFM) and Computerised Maintenance Management Software (CMMS) and the data collection can be driven from your statutory, routine or HACCP based inspections.

Automated Diagnostics and email alerts

Well researched and ISO based alarm thresholds are used to automate the visualisation of asset condition using an industry standard green, amber, red highlighting on both web site and PDA. The SmarTrend software has embedded rules that analyse the vibration elements and derive maintenance actions that include (lube, replace bearings, align, check coupling, clean rotor and balance rotor).

If an asset is marked as critical and tagged for notification, the asset owner/maintainer will receive an email or SMS when a problem has been observed.

Thursday, February 18, 2010							
Point	Criticality	February, 2010	Status Latch	Maintenance Action	Rules Latch	January, 2010	December, 2009
DE Hor	High	✗	🔒	None	🔒	🟡	✔
Temp	High	✔	🔒	None	🔒	✔	✔
NDE Hor	High	✗	🔒	Balance(One,Clean) Other (Two,Analyse)	🔒	✗	🟡

The software is web based, there are no IT department issues and your managers, your technicians and of course your customers can view the asset tree/ status views from any internet browser as long as they have the relevant login/password combination.

Call us for a free on site discussion/ assessment

Whether you are a maintenance service provider with a remit to improve reliability and reduce overhaul/ breakdown costs OR a CAFM, CMMS software house looking to provide true Predictive Maintenance to your customer base you might want to consider this smart solution from Diagnostic Solutions.

Tom Scott, Managing Director

Diagnostic Solutions Ltd, LL12 0AY

01244 571411

office@diagsol.co.uk

www.diagsol.co.uk