

Our Vision for Remote Asset Monitoring

Traditionally, pre-engineered/OEM equipment solutions or remote assets tend to be supplied to customers fitted with only basic monitoring systems and human machine interfaces (HMIs). Here at Alba, however, we see a future that leverages today's best technology, not only giving your customers better control, but also allowing you to monitor and control the performance of all your assets – without ever leaving your office...

Staying in Control

The usual HMI for high-value leased equipment tends to be quite rudimentary – maybe a basic panel or a simple SCADA graphical display at the most. This is often sufficient for the purposes of basic monitoring and control of a unit.

But what about when the customer starts to want more? More information, more control, more performance, more options – without more cost. You need to supply a solution that can deliver all this.

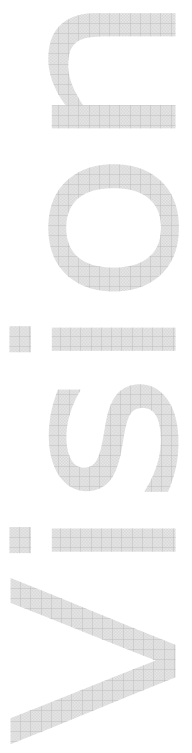
Service Levels

If you have high-value, pre-engineered equipment that you lease to customers, you will almost certainly have service level agreements (SLAs) with your customers that you must meet, often in the long-term. You may be paid

based on the performance of the units you supply – in which case every minute of downtime on your equipment is lost revenue that cannot be regained. How can you effectively monitor your assets to achieve better performance and ensure that you get the maximum return on your investments?

A New Evolution

Alba has the answer. With the use of sophisticated modern data historian systems, it is possible to capture more data, more accurately, than ever before. Even more importantly, these systems have the power to analyse that data, so that you can *act* on it. Merely generating simple trends, tables or numeric displays is not enough. Important facts and events can be easily missed due to the overwhelming amount of data that must be manually assessed.



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Instead, performance calculations like OEE, exception-based reports and predictive maintenance estimates are all easily generated, and they can be done in real-time. What's more, not only can the customer see and use this information, but you can too, allowing you to focus on the real issues and not just the raw data. Through the power of remote communications technology, whether it is via modem, broadband, wireless, satellite – or even just a CD sent by mail – you can monitor the performance of all your assets across the world, regardless of location, without site visits.

Rather than having to spend money and resource sending maintenance engineers into the field to assess and service assets, you can gather data remotely at the local unit and determine how it is performing. That data can be analysed and presented to the customer on-site, or the data can be sent back to your maintenance centre. By putting the system to work, analysing and checking for key events or early warning criteria that indicate potential equipment failure, you can maximise the performance of your assets, while maintenance engineers spend less time travelling to and

from sites for unnecessary planned maintenance.

Of course, even with the best servicing, equipment can still fail, leading to downtime, delays and unplanned site visits – and increased costs. By allowing the system to do the work, you are alerted to problems before they happen, allowing you to develop proactive maintenance strategies and prevent breakdowns from ever occurring.

Moving Forward

The technology to realise this vision is available now. Not only that, but it has been proven the world over in countless applications, helping people to boost efficiency and increase profitability. Alba's skills and wide knowledge in this field means we can deliver a solution that will revolutionise the way you manage your remote assets forever.

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