

Enerven Compression Services Selects M2M Data Corporation for Remote Monitoring and Maintenance Optimization Services



Enerven Compression Services was looking to optimize their field service and maintenance planning operations. M2M Data Corporation was a logical choice to help support and obtain their service goals with remote monitoring and an internet based maintenance scheduling program. With Enerven's assistance M2M was able to tailor their iServices Suite and add the functionality that Enerven was looking for to complement their "Leading with Service" program.

As with most compression services organizations, Enerven has significant vehicle maintenance, fuel, and labor costs. While following prescribed maintenance routines is critical to maintaining optimal fleet performance, Enerven realized that there were steps that they could take to improve the efficiency of their operations. They also concluded that by improving their operational performance, they will be able to better service their customers. By partnering with M2M, Enerven is helping M2M to develop a best in class remote monitoring and maintenance optimization service

that will benefit both Enerven and their customers. Enerven's expert understanding of the compression market combined with M2M's monitoring and service capabilities made the service possible.

M2M Data Corporation's iServices Suite gives Enerven a fleet wide perspective on how their assets are performing. On a single map, Enerven is able to view the location of all of their equipment and easily determine its operating condition. Each piece of equipment is color coded on the map to display its current condition. This complete operational picture is proving to be a valuable tool that is used throughout the organization by executive management, sales, and operations. The service was designed to be simple and easy to use, so organizations like Enerven are able to roll it out to everyone who would benefit, without per seat licensing fees. Additionally, M2M has tailored training and installation support for the 2008 Enerven rollout. Both Enerven and M2M recognize that upfront and ongoing training of the field personnel is a major key to the program. The training material covers proper installation, trouble shooting, and usage of the service.

Remote communications equipment is mounted on each of Enerven's compressor packages. Various data is then transmitted securely via satellite to M2M's data center, where it is processed and made accessible over the internet via the iServices Portal. What's unique about the service is that it provides more than just a mountain of data, like one would get from traditional SCADA systems. It provides actionable information which allows the organization to adjust



Case Study

to the demands of a dynamic operational environment. Enerven users are able to drill down to view the historical performance of a particular asset in either a chart or a tabular view, but this is only a small part of the value that the solution delivers.

The Enerven solution is comprised of two products, iSCADA and iPM. iSCADA provides remote monitoring capabilities and data collection and processing. If a data point falls outside of an acceptable parameter, an alarm is triggered and Enerven personnel are alerted via fax, email, or text message. This allows Enerven to respond accordingly and prioritize all open alarms.

The second component of the solution that will be implemented by year end is iPM, M2M's intelligent maintenance product. Enerven started to pilot the iPM service in May and has been providing M2M with feedback to enhance the product. There are maintenance templates for all of their equipment that detail when maintenance procedures are due on each asset stored in the system. They will then pull the run hour information into iPM from iSCADA to base their maintenance scheduling on actual run hours instead of just using the calendar. Additionally, if a unit goes down, before dispatching someone to perform the repair, operations will be able to check the system to see if a preventative maintenance is due in the near future. If it is, both procedures can be performed simultaneously, reducing the need for a second service call.

Enerven is currently working on retrofitting their entire fleet to take advantage of the system. Currently one hundred units are running M2M with the goal of having it deployed on the majority of their fleet by the end of the year. All new Enerven equipment is

having M2M hardware installed when it is built, prior to commissioning.

Enerven's customers will benefit from the use of the system by receiving improved customer service, reduced downtime, and improved reliability. Knowing the cause of shutdown that is reported by the system will help with dispatching personnel with a heads-up to the issue prior to arriving on site. In the future, Enerven is looking to add additional data input to validate the performance of the equipment, further demonstrating their commitment to operational excellence to their customers.

Some of the hard benefits Enerven will receive from this solution will include reduced windshield time, extended time between maintenance, improved customer service, and extended oil life. Additionally, there are several tangible operational savings that they expect to achieve. Enerven believes that the solution will reduce site trips and make on site time more productive. Since many units are located in remote areas, this will represent significant savings. It is estimated that the cost of the system should have a short payout once the fleet is fully monitored and the iPM program is launched.

"Enerven is committed to Leading with Service and the M2M systems will play an important role in keeping with this commitment" said Bob Carter, Vice President Engineering & Technology at Enerven Compression. "Enerven worked closely with M2M to develop a system and program that will provide a solid and reliable service for remote monitoring of our compression fleet."



Want to learn more?

Visit us online at www.m2mdatacorp.com or call us toll free at (877) ITRY M2M or (877) 487 9626