

CIO Solutions

OIL & GAS SPECIAL JULY -1- 2016 THECIOSOLUTIONS.COM

25 Oil & Gas Solutions Transforming Business 2016

Digital transformation has emerged as the answer to the challenges that Oil and Gas companies are facing today. From streamlining operations environment, to ensuring workforce safety, to meeting stringent regulatory requirements, technology has put companies in a better position to deal with the challenges. The role of data in particular has been pivotal in enabling digital transformation in the oil and gas industry.

Today, more number of companies are using big data analytics to improve the oilfield production. By integrating data across multiple data sources, decision makers are leveraging the insights to increase the productivity while driving down cost. The increasing use of predictive analytics is empowering businesses with business intelligence helping them to secure their assets and defeat any unplanned downtimes. With cloud as the underpinning, technology innovation is being leveraged at faster pace into the production environments to increase the reliability and efficiency of the business assets and operations.

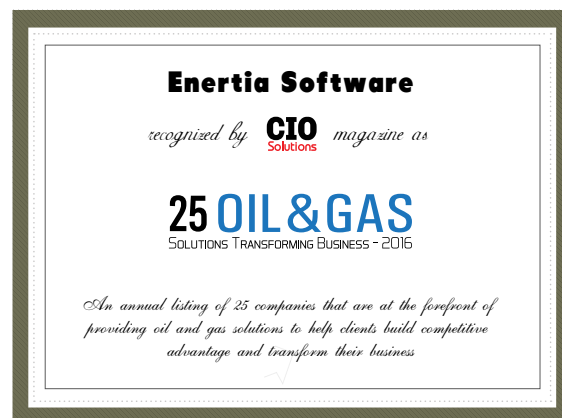
The rise of IoT has further added intelligence to the machines across the oilfield infrastructure. The ability to replace aging assets

with 3D printed commodities has been a welcome change. The ability to remotely and centrally manage the field operations through automation tools has further embossed the ability of technology into the minds of the CIOs in the oil and gas arena. The nascent use of robotics and drones is bringing unprecedented value to managing field operations.

Today, technology companies are offering innovative solutions that cater to almost every aspect of the oil and gas industry. To simplify and help CIOs navigate the Oil and Gas solutions landscape, CIO Solutions is coming up with a list of Oil and Gas solutions providers, where a distinguished panel comprising of CEOs, CIOs, VCs, analysts including editorial board will decide the '25 Oil & Gas Solutions Transforming Business'.

As a prelude to CIO Solutions' 25 Oil & Gas Solutions Transforming Business, our selection panel evaluated the capabilities of several vendors who support core business processes and are at the forefront of tackling challenges in the Oil and Gas technology arena.

We present to you 25 Oil & Gas Solutions Transforming Business.



Company:
Enertia Software

Description:
Provides integrated enterprise solutions for the upstream oil and gas industry

Key Person:
Vincent Dawkins
President

Website:
enertia-software.com

Enertia Software Integrated SOA for Streamline Operations

Big data and analytics may be new terms for some of the industries, but the oil and gas sector has been dealing with them from a long time to make analytical decisions. Over the years, companies in this space have significantly invested in the latest tools and software to understand and utilize data. However, with the current commodity prices and the increasing gap between senior professionals and the next generation technologies hampering most of the oil and gas companies, their ability to be innovate has taken a hit. "Initially most of the legacy systems were DOS based with very limited functionality and flexibility. As available technology evolved, the need for oil and gas software to evolve was evident," begins Vincent Dawkins, President, Enertia Software. With this gap, antiquated systems became the new challenge, as it didn't appear to be familiar to the millennia.

Midland, TX, based Enertia Software is a software company that delivers integrated enterprise solutions for the upstream oil and gas industry. "Our Service Oriented Architecture (SOA) and technology are designed to curb these challenges and provide streamlined operations through integrated data-driven applications," states Dawkins. Enertia helps clients through cost-effective cloud-hosting solutions.

Enertia offers a fully integrated enterprise grade system that seamlessly provides meaningful data from the field to the financials that can be uniquely

and individually tailored as well. By utilizing a Microsoft SQL Server, as the database for the software and Visual Basic .NET for the development of the user interface, Enertia delivers a platform that is familiar to all users. "This flexibility is the key in reducing learning and training time and allowing for faster data analysis for quick and accurate decision making," states Dawkins. The company also leverages Microsoft Upstream Reference Architecture as a key component for delivering flexibility and proactive efforts to reduce training and/or user downtime.



Our Service Oriented Architecture and technology are designed to curb these challenges and provides streamline operations through integrated data-driven application

Enertia Software delivers best-in-class development, implementation, and business consulting services to its clients. "The formalization of a consulting division allows us to provide a greater level of specialized services to Enertia's customers," says Dawkins. "However, there is an entire eco-system of products that exist outside of Enertia that contribute to the picture, as a whole, for its clients," he adds. Many of these products are built by third party companies and have indirect connection to Enertia. This ability to provide services, allows Enertia to provide an impact that is far-reaching in a client's enterprise. Enertia's consultants can provide rapid solutions that are more stable and cost-efficient than alternative firms.



Vincent Dawkins

The company invests over 30 percent of its capital into R&D efforts each year. "Some projects are in partnership with our users, which helps to ensure we are not just working to develop but creating collaborative design," asserts Dawkins. The company combines its development efforts to better streamline

the workflows and enhance the user experience using web interfaces and mobile devices. Enertia differentiates itself with its continuous desire to evolve and provide a better solution for users. "Our focus has always been to deliver comprehensive solutions to complex business processes," he adds.

With an industry presence of three decades, Enertia plans to develop premium software solutions that would allow oil and gas companies to streamline data analysis, enhance workflow processes, and increase efficiency for improved business intelligence. The company will continue to lead the upstream oil and gas industry as the only single-vendor integrated solution with the industry expertise to meet unique client needs. **CS**

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