Improved efficiency and better reliability of blowout preventer surface control system for an oil and gas company

A global oil and gas major, a leader in providing drilling and production applications.

**Business challenges**

Current blowout preventer (BOP) design not suited for high-speed, reliable performance in an offshore environment. Cumbersome and complex operator interface due to:

- Format inconsistency in software representation and Boolean logic
- Inflexibility in system configuration and maintenance
- Manual time series data administration

**Genpact solution**

- Created robust controls programming
- Developed a complex algorithm that creates automatic rules for KPIs
- Configured data logging on machine-to-machine basis, deployed network protocols for better peer-to-peer communication
- Automated time series data archives to eliminate manual effort and simplification of the touchscreen user interface

**Business impact delivered**

- 5% improvement in efficiency for 2,000+ global installed bases and 400+ annual deployments
- Improved reliability in BOP designs for offshore drilling operations and better operator experience
About Genpact

Genpact Limited (NYSE: G) is a global leader in transforming and running business processes and operations. We help clients become more competitive by making their enterprises more intelligent: more adaptive, innovative, globally effective and connected. Genpact stands for Generating Impact for hundreds of clients including over 100 of the Fortune Global 500. We offer an unbiased combination of smarter processes, analytics and technology through our 62,000+ employees in 24 countries, with key management based in New York City. Behind Genpact’s passion for process and operational excellence is the Lean and Six Sigma heritage of a former General Electric division that has served GE businesses for 15+ years. For more information, visit www.genpact.com. Follow Genpact on Twitter, Facebook and LinkedIn.

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