

Press Release

Phoenix, USA – August 2, 2011

Noble Energy Selects IT Services Team to Commission PI System Historian for Aseng FPSO

PI System will be system of record for real-time data from sub-sea, topsides and vessel control systems.

Aseng is located offshore Equatorial Guinea, in Block I. It will be operated from a newly constructed FPSO capable of producing 80 MBbl/d of oil and 170 MMcf/d of natural gas.

Noble Energy had been working with PKO services to design the PI System architecture and this project continues that project following Industrial Evolution's acquisition of PKO Services.

Commissioning of the PI System is extremely complex as it will be done in parallel with the commissioning of the FPSO vessel itself while it sails from its construction site in Singapore to its ultimate destination offshore Equatorial Guinea. At the same time, the source data systems (sub-sea, topsides and vessel control systems) are being commissioned themselves.

About Industrial Evolution

Founded in 2000, Industrial Evolution was an innovator in offering Data-as-a-Service to the industrial market. We collect real-time process data from systems and devices, and make it available securely via the internet.

In January 2016, Yokogawa Electric Corporation announced the acquisition of Industrial Evolution to strengthen its provision of advanced solutions to the process industries. The acquisition of Industrial Evolution, a provider of cloud-based plant data sharing services, was carried out through Yokogawa Venture Group, Inc., a wholly owned Yokogawa subsidiary. The press release is available at: <http://www.yokogawa.com/pr/news/2016/pr-news-2016-0107-en.htm>.

The Industrial Evolution website: www.industrial-knowledge.com