

Oil & Gas in the Digital age– How Big Data, Cloud and IOT are challenging traditional ways of doing business & completely transforming E&P industry

Mr. Shashank Panchangam

**デジタル時代の石油ガス業界
–ビッグデータ・クラウド・IoTがいに石油開発業界のビジネスを
変革しようとしているのか–**

Halliburton–Landmark

Oil & Gas industry is facing tremendous upheavals due to low barrel prices and is at a critical cross roads where some companies are surviving by adapting and imbibing the latest technologies to streamline business, cut down costs and solve critical problems, while others are struggling.

Sensors have become very smart and provide all types of information. Distributed Acoustic Sensors (iDAS) generate 6–7 terabytes of acoustic, flow, seismic and segment depth data every day and current environments and technologies are not equipped to store, virtualize, buffer, pre-process, analyze and transmit data from all these sensors seamlessly to operation & decision support centers real time. Newer technologies are required to leverage this information for Leak Detection, Flow profiling, Production Surveillance, Real time event monitoring, geo steering, and whole bunch of other petro technical workflows and to deliver them anytime anywhere via Cloud.

This presentation will discuss how digitalization is enabling Oil & Gas industry to not only solve critical problems efficiently but also uncover potential new opportunities.