SAAP
SAP Always Available Platform
A Co-Innovation Solution

June 3rd, 2014
Company Overview

Vantage Offices

4 Jackups
3 Drillships, plus 1 under Construction

NYSE: VTG

Market Cap: $519 Million
Book Value: $567 Million
Enterprise Value: $3.4 Billion
Employees: >1,300
The Vantage Fleet

We have built a fleet of new, premium assets that our customers demand now and for the future.

**Cobalt Explorer**, a 7th generation, dual-activity UDW drillship equipped with (2) seven-ram BOP’s and 10,000 feet of riser, scheduled for delivery in 2015, will be our most technically advanced drillship.

Jackup fleet has achieved approximately **99% productive time** for the first 60 months of operations.

High-specification drillships combined with deep in-house operations and technical teams, have been the key to awards to Vantage of high-profile, complex, ultra-deepwater projects.
SAAP Solution Challenges

• Offshore drilling, high latency VSAT
• Other industries with high latency communications
• Remote locations (off shore and on)
• Disconnected environments
• Poor infrastructure, power outages, network instability, etc.
• Any area with lack of redundant carrier networks in place
The SAAP Solution

• Co-innovation solution between SAP and Vantage

• Key tenets of the solution for Users:
  1. LAN-based speed
  2. Complete functionality even when disconnected
  3. Simplified user interface

• Key Architectural tenets of the solution:
  – Make SAP functionality always available anytime, anywhere
  – Fully extendable for any SAP transaction
  – Applicable and extendable for other verticals
  – Rapid deployment
  – Build to be an SAP product
SAAP Solution Description

• SQL Anywhere running on the rig as a distributed data store (remote database)
• ‘In the background’ Mobilink Synchronization processes transactions to be executed in ECC
• Processing between SAP and the SAAP-tables within SAP are via BAPIs in Exchange tables
• The User on the rig uses UI5 (HTML5) to talk to the distributed database
SAAP Architecture Schematic

On Rig
- Always Available App
- Reports and attachments
- SQL Anywhere Database Server

On Shore
- MobiLink Synchronization Server
- TCPIP scheduled Periodic MobiLink client Synchronization using Internal Satellite Connection

SAP ECC on shore
- Scheduled ABAP
- Staging Z-Table On the R3 MS SQL
- File share
- SAP/R3

Database user
- ODBC using database user
- File share for Template deployment Reports and Attachments
Demo of a Transaction

• Embed a very simple video that shows simplicity of look and feel
SAAP Results

- 100 SAAP facilitated transactions: MM, PM, IM
- Developed, Tested, UAT, Deployed in the field
- POC: 3 people, 3 rigs, 3 weeks
- Rapid deployments.
  - Overnight on SAP rigs
  - 3 days when migrating from PM, MM, IM legacy systems
What do the Users think?

1. Fast
2. Easy to use
3. Always Available
SAAP plans going forward?

• Some considerations for Development:
  – Continue to push more functionality offshore: MII, HSE, HCM, etc.
  – Predictive analytics and condition based maintenance

• Business Results:
  – Save on training, TCO
  – Facilitates employee performance and business continuity
  – Accelerates user adoption
  – Proven foundation for providing more functionality with the goals of performance, systems continuity and cost savings
SAAP

- SAAP approved to be productized
  - Productization underway
  - Maintained by SAP support and maintenance
- Product is planned to ship in Q4
- Potential Verticals
  - Oil and Gas
  - Aerospace and Defense
  - Transportation
  - Retail
  - Mining
  - Chemical