

## A *Different* Approach to Field Site Comms



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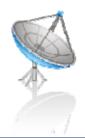


## About ISN / Our Experience

- Started in 1999
- 3 of top 4 UK Independents
- Specialist in Upstream Infrastructure

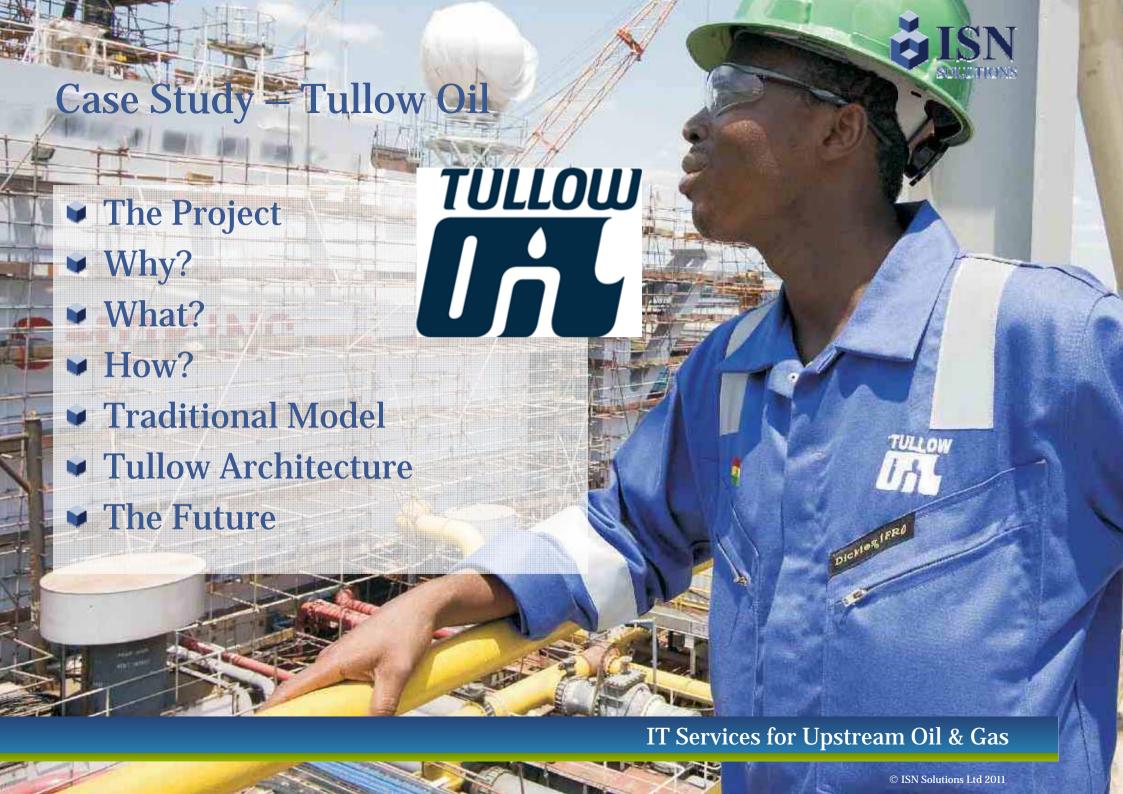
















- New semi-sub going to Ghana
- **▶** Innovative and scalable
- **▼** Tight timescales

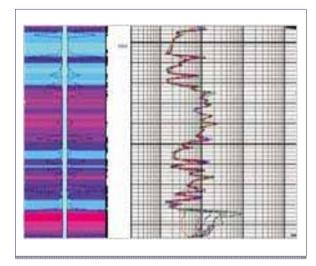




## What? – Service Requirements



- Voice
- Internet
- Email
- Local data



- Guaranteed bandwidth
- NetworkAccess



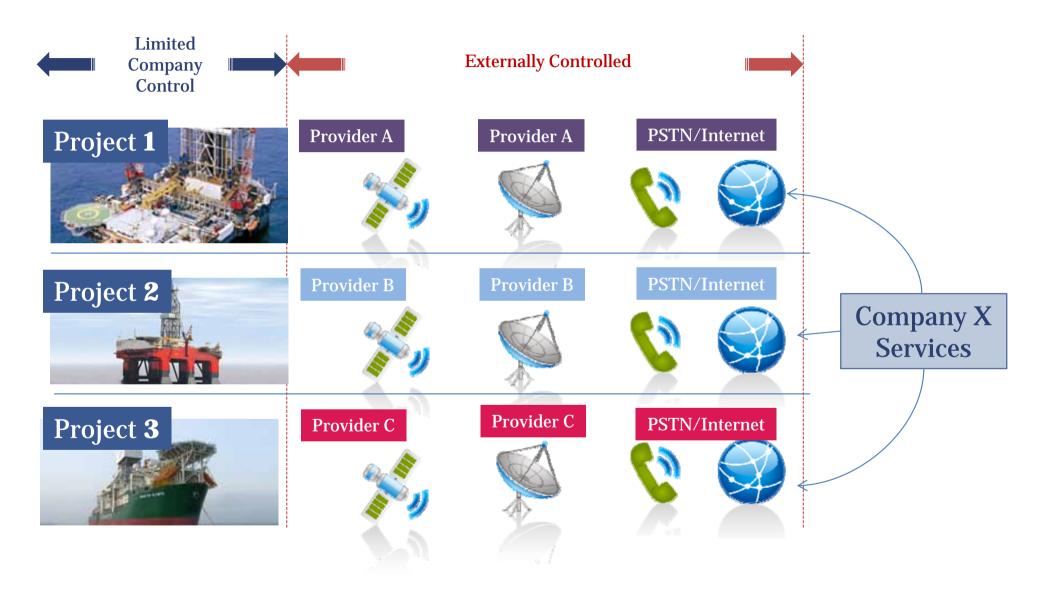
- Voice
- Remote Connectivity
- Network access







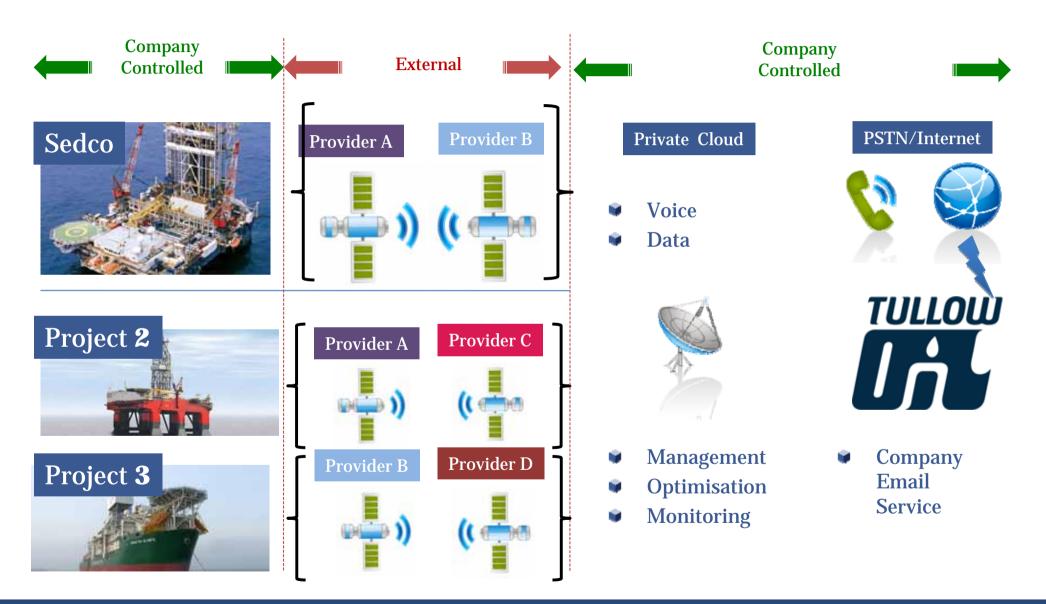
### **Traditional Model**



= Active / Active Links



#### **Tullow Architecture**

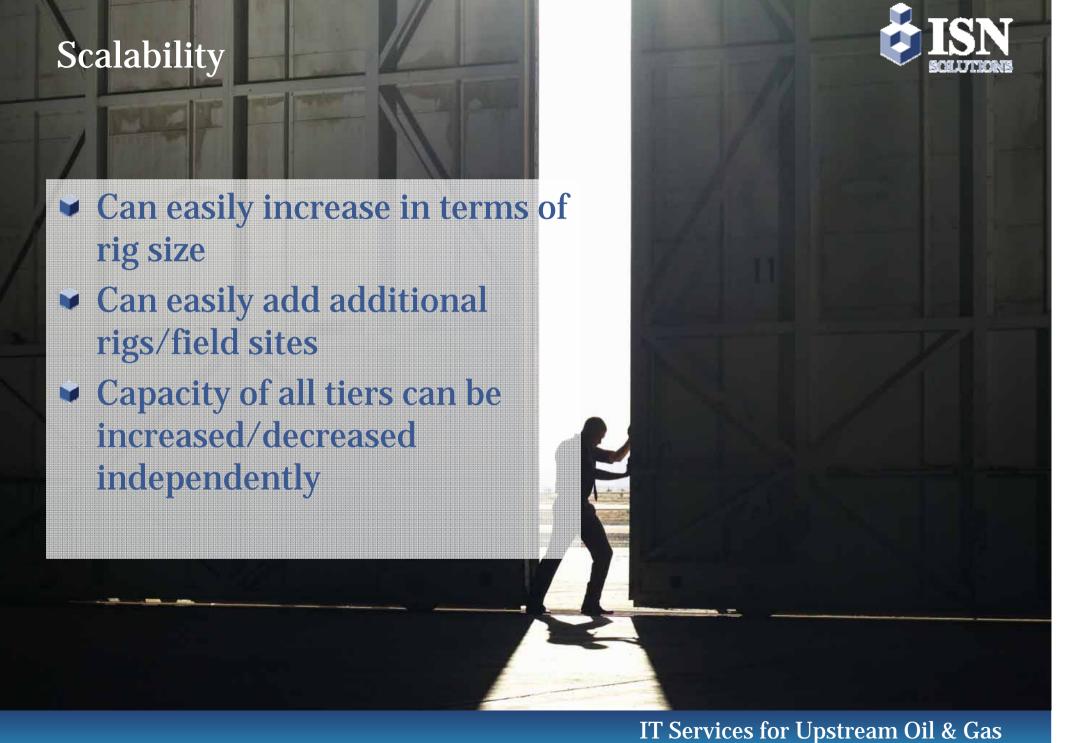


## **Simplicity**



- Private Cloud Single delivery point for all sites
- Minimum offshore infrastructure
- Single point of contact for support





## Flexibility



- Modular Can easily adapt to accommodate new services/applications
- Can accommodate different links – not necessarily Satellite



#### Resilience



- Dual comms providers
- Separate physical satellites
- Failover and recovery
- **▶** Full redundancy for critical hardware and services



#### Performance

ISN BOLUTIONS

- Active/Active comms providers
- Fast logins
- Optimisation
- Web Filtering
- Segregated networks
- Traffic management



## Management

Project - Lessons Learned

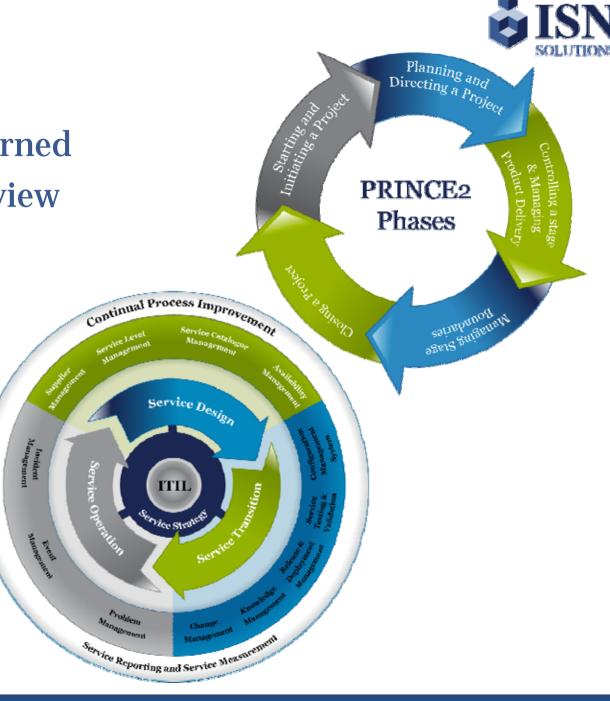
Support - Service Review

24/7 support

Network Intelligence

Continual Service

**Improvement** 









- Innovative technology enables new services/economies of scale
- Responsive services/sites can be added quickly
- High performance Delivers what the users need when they need it
- Cheaper site rollout (CAPEX)
- Reduced support costs (OPEX)



#### The Future

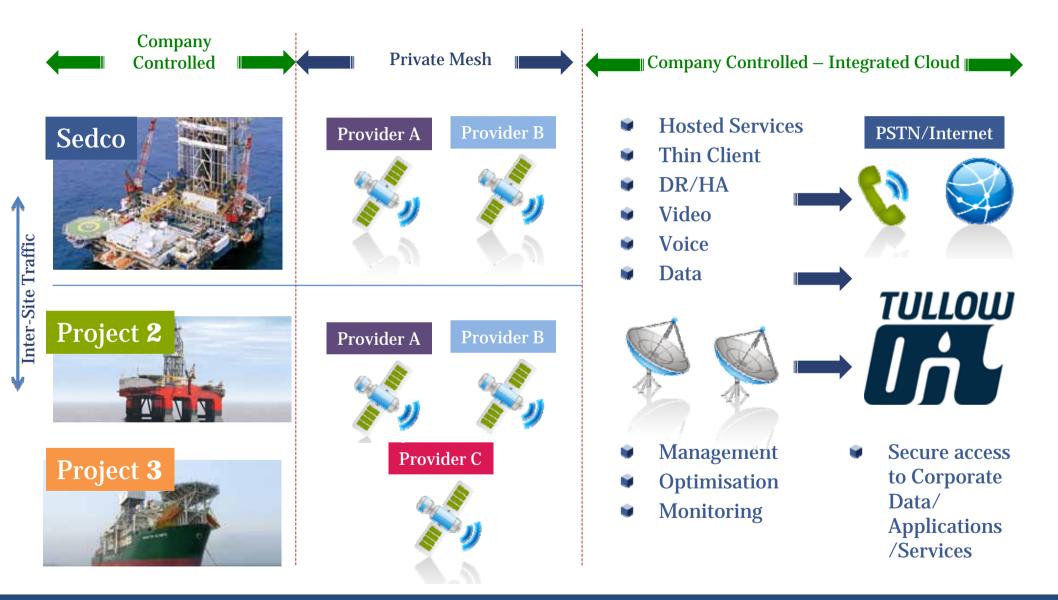


- Integrated Cloud
- Unified application delivery
- Meshed VSAT
- Increased resilience/DR
- Real-time video and monitoring (Virtual Rig Site/Virtual Operator)
- ▼ Field site becomes "Just another office"
- Additional Sites not just Rigs





#### The Future - Architecture





## **In Summary**

- Service first technology second
- We are listening! Service providers must collaborate to deliver best service to client
- Keep it simple and flexible
- Breakaway from Traditional Model
- Consider entire service cycle –Continual Improvement





## THANK YOU, ANY QUESTIONS?



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