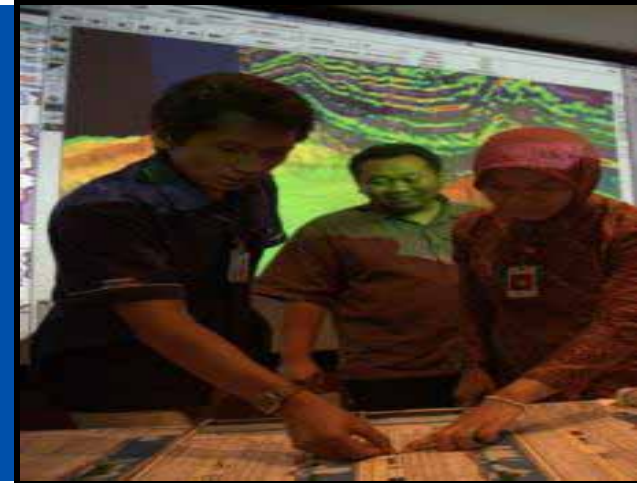




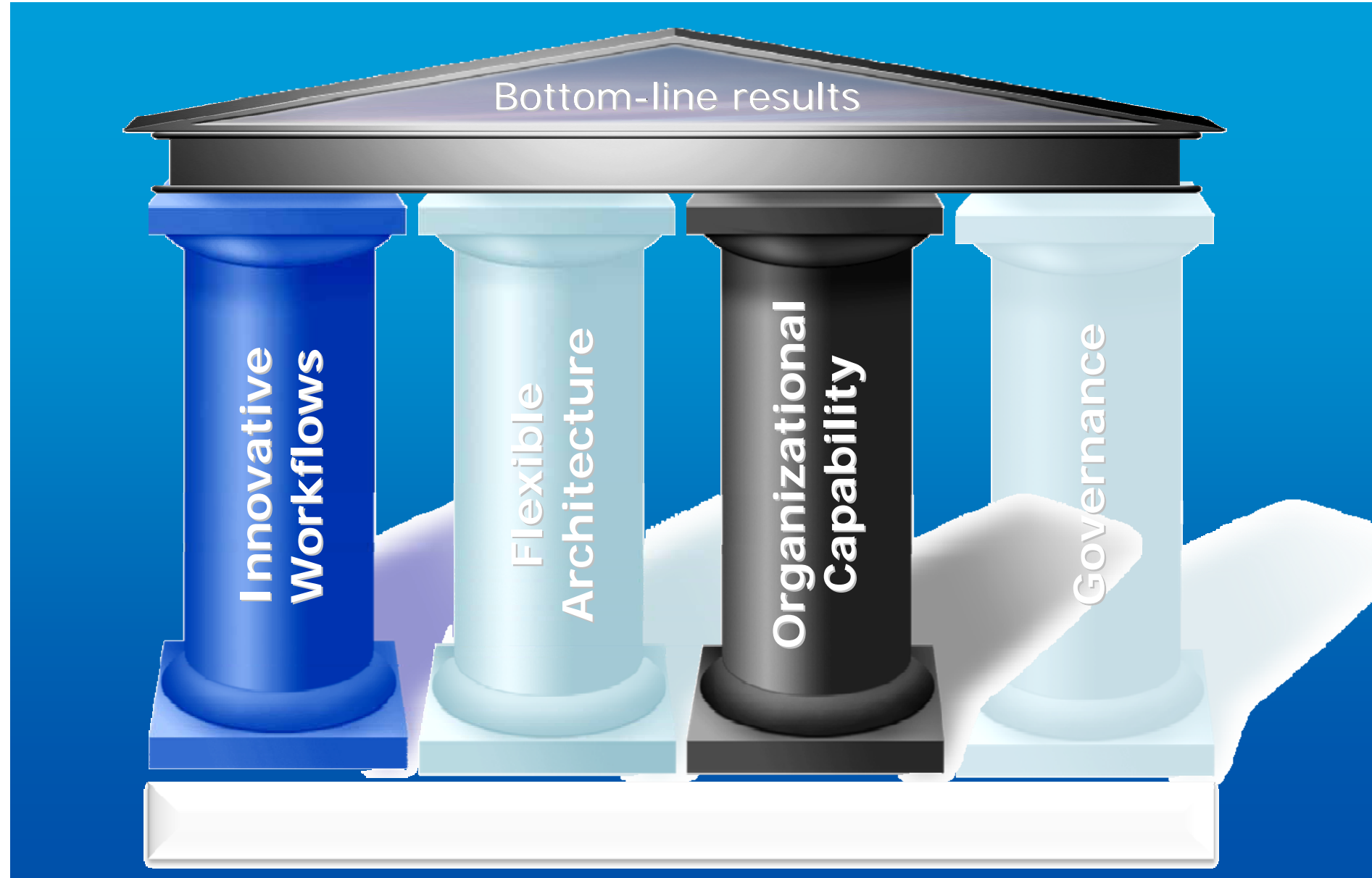
"Combining innovative workflows and emerging technologies in the digital oilfield"



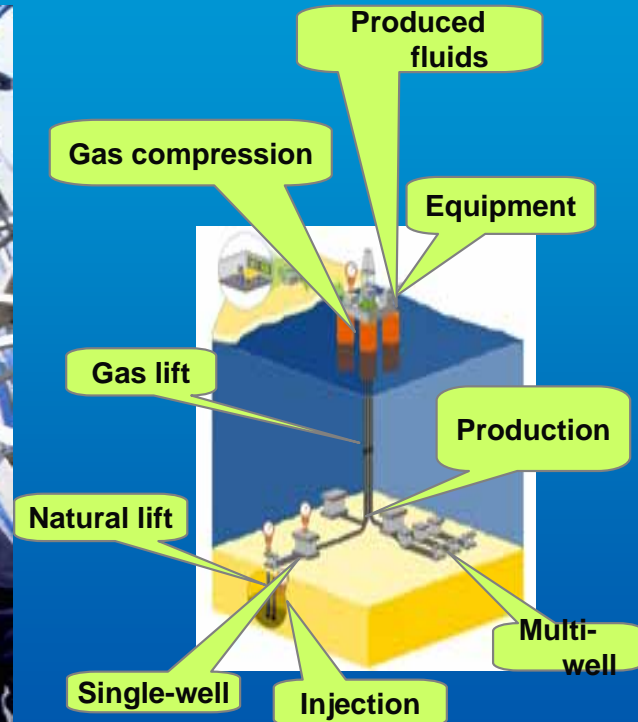
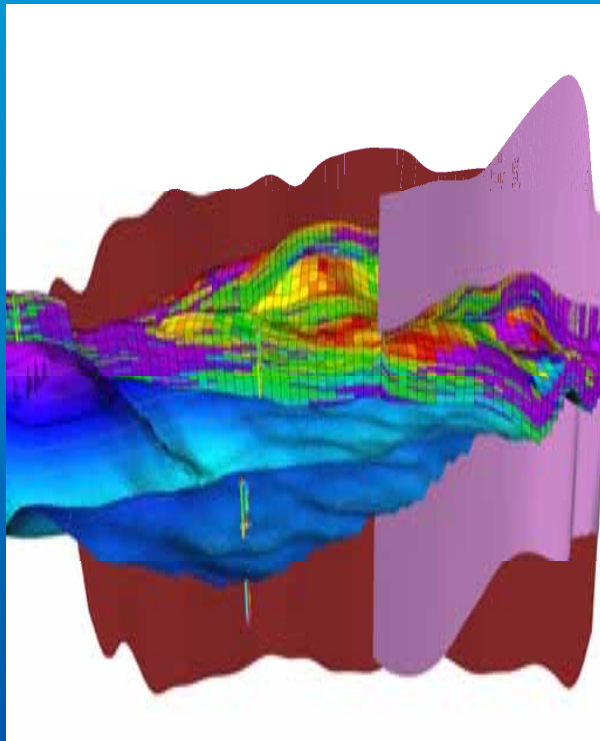
**IT Infrastructure for the Digital Oilfield
Finding Petroleum Conference
Hallam Conference Center, London, UK**

**Jim Green
CIO and GM, Technical Computing
Chevron Energy Technology Company
June 2, 2011**

Enterprise adoption depends on having the right mix of these key ingredients

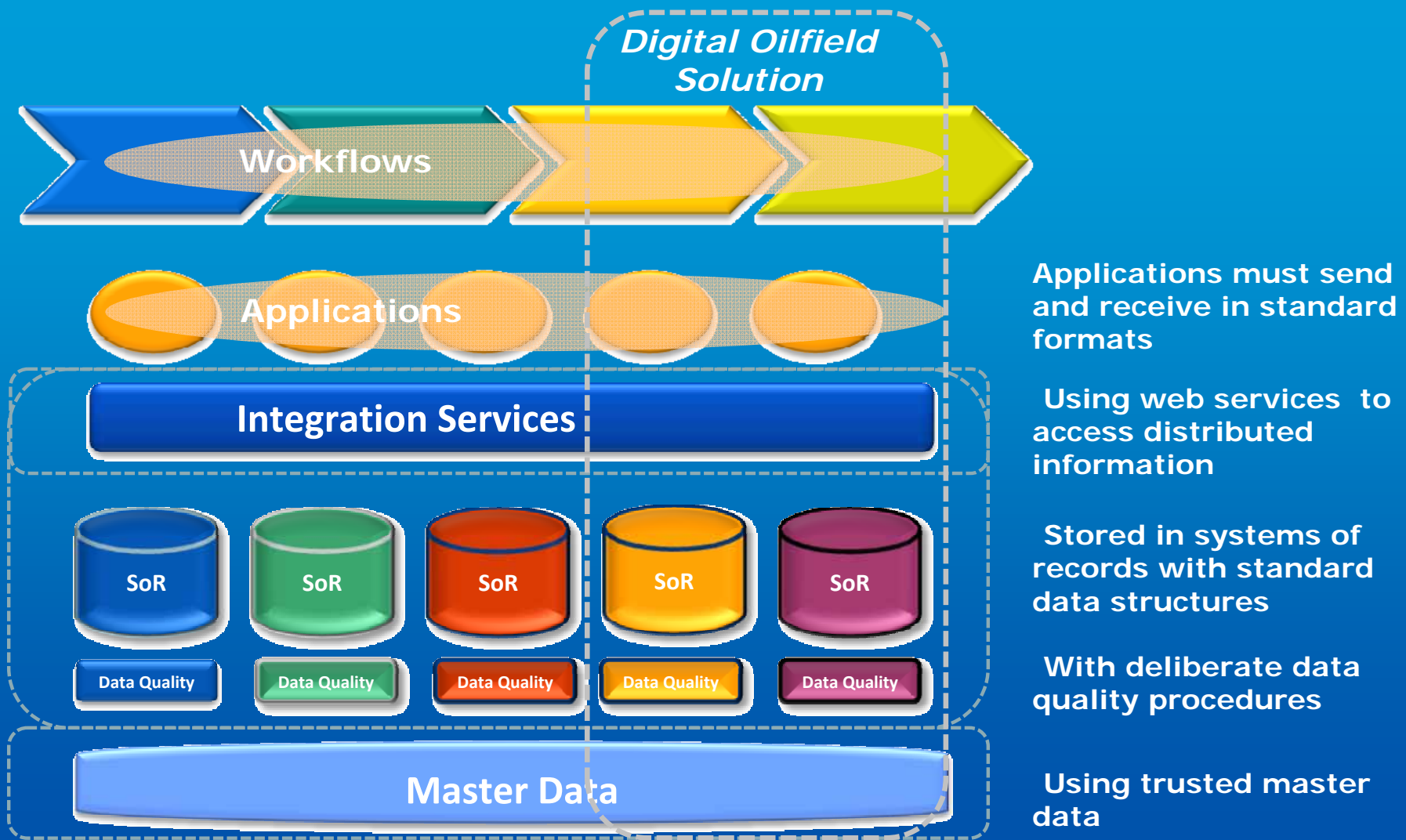


Innovation where the work is and close knit collaboration are critical success factors



$$\text{Value} = f(\text{people}) * h(\text{asset, R\&D, information technology})$$

A flexible architecture is required to efficiently move solutions from one asset to another



Everyone needs to be thinking ahead as consumer products and advances in other sectors (i.e., financials) enter into the sector

MOBILITY

Consumer devices are coming – adopt necessary infrastructure tools and platforms

APPLICATIONS

Plug and play, built with web components, intuitive and safe to use

INTEGRATION

Based on web services, industry standard semantics – such as PRODML, WITSML, RESQML

DATA

Focus on data quality, rationalizing systems of records, master data management

MIDDLEWARE

Workflow engines become more commonplace, routine pieces within workflows become more transactional

VIRTUALIZATION

Ability put compute resources wherever becomes more accepted

STORAGE

New players, techniques entering the market to deal with the volume

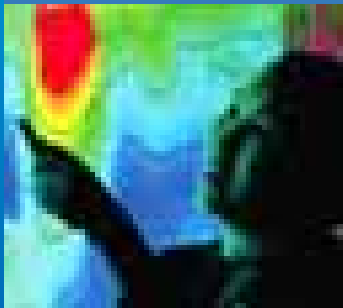
Everyone in the organization has to pull in the same direction to realize enterprise adoption

Leadership



- **Understand the value and the opportunity**
- **Buy Into the long term view, think beyond your unit**
- **Make It an Integral part of your strategy**
- **Bake It Into plans and performance measurements**
- **Recognize the successes, build on the learning's**

Petro-Technical Professionals



- **Seek out the possibilities with Information technologies**
- **Focus on those workflows with big bottom line impact**
- **Understand the big picture, what other assets can benefit**
- **Find your IT partner and work toward common solutions**
- **Be willing to learn by doing, iterations are king**

Information Technology Professionals



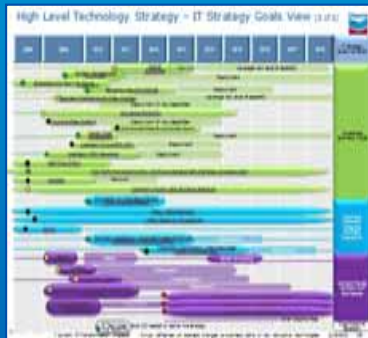
- **Bring passion and creativity**
- **Think through the enterprise implications, make them visible**
- **Advocate for the standards, build them into design**
- **Think through the entire lifecycle, build for sustainability**
- **Don't chase unnecessary risks**

You won't get far unless you work out the enterprise governance



Functional Alignment

- High Impact Workflows
- Value within the Asset Portfolio
- Lifecycle Management Plans



Portfolio Management

- Roadmap
- Deployment Timing
- Organizational Capability
- Business Unit Readiness



Roles and Responsibilities

- Partner Engagements
- Sourcing, Intellectual Property
- Development, Deployment , Support Roles
- Funding Model

Questions and Answers

Chevron

