

What's Required in Knowledge Technologies – A Practical View

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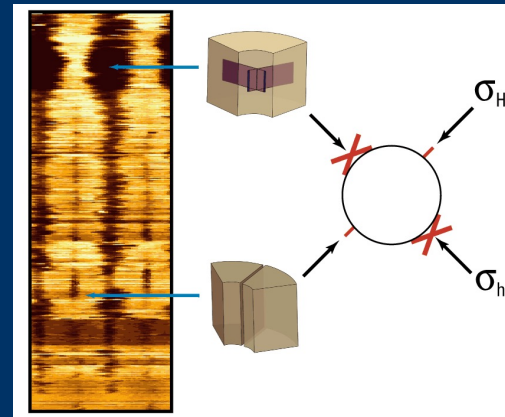
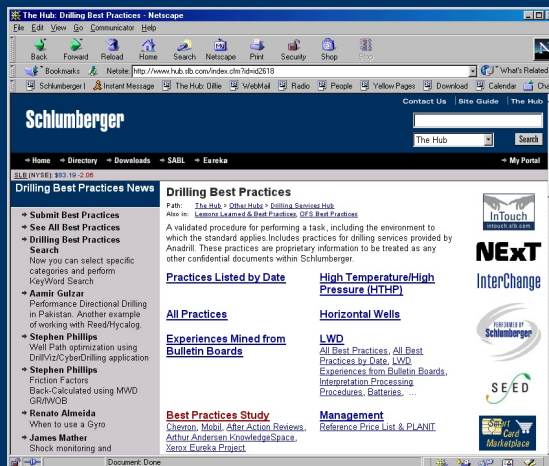
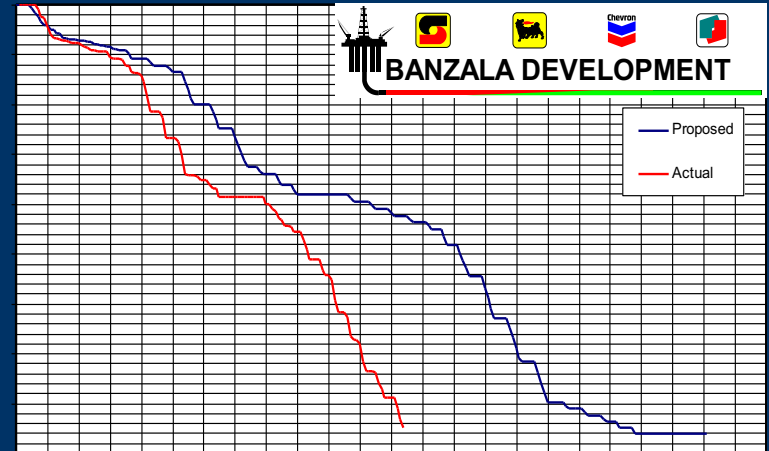
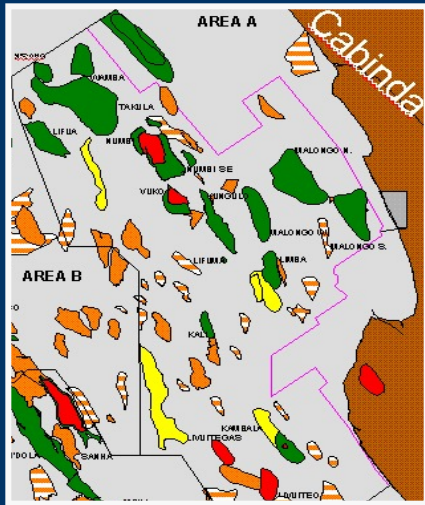
Knowledge Management

... Improving organizational capability

Create a new working environment where knowledge and experience can easily be shared

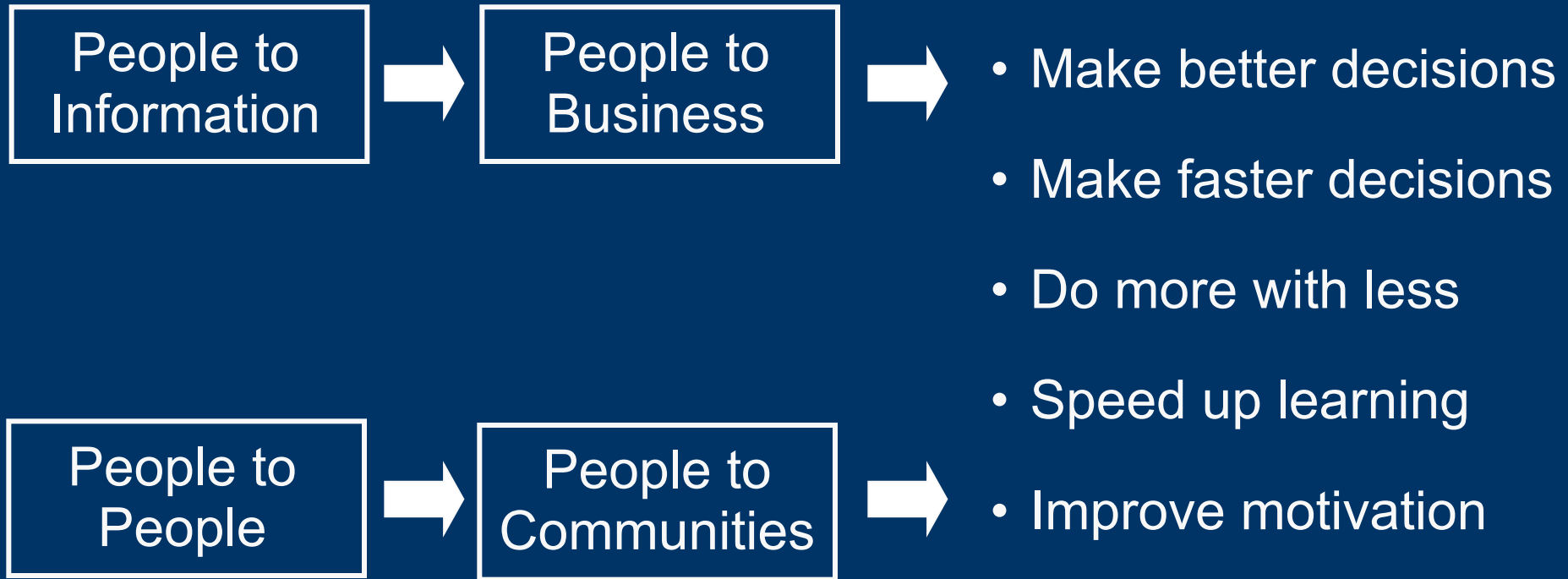
Enable information and knowledge to emerge and flow to the right people at the right time so they can act more efficiently and effectively

Apply everywhere what you learn anywhere



Apply everywhere what you learn anywhere

Connecting



Collaborating

Knowledge Technologies

– Present and Future



First Wave KM

Technology

Portals, Collaboration,
Document Management,
Little Integration

Process

Best Practices, Validation

People

Communities of Practice



Portals

Best
Practices

Communities
of
Practice

Enterprise Information Portal

All important information from both inside and outside the company delivered to the desktop

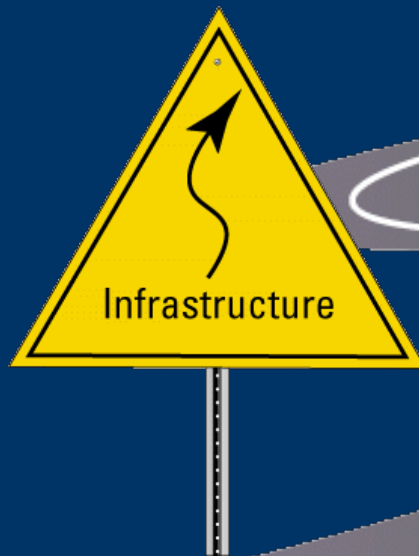
- unstructured & structured data
- thin client → web browser
- Search & Browsing

- Services

- Presentation – Visualization
- Collaboration
- Publishing & Distribution
- Data Feeds
- Subscription – Notification
- Personalization
- Data Feeds
- Security

- Trends

- Finding → Doing
- Multi-Purpose Information



Infrastructure
e-business
XML
Wireless Devices

Knowledge Representation

Transparent Interfaces

Workflow Capture

Expertise

Incomplete, Ephemeral Knowledge

Integration

Standards



One-Stop Search / Case-Based Reasoning

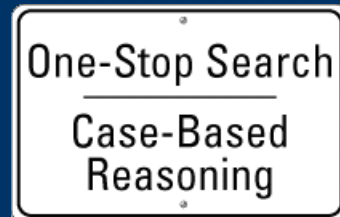
Speed, Precision, Recall

Natural Language

Integration / Interaction

Multilanguage

Multiple Media





JIT Knowledge Delivery

Agents

Help Wizards

e-learning



Knowledge
Powered
Enterprise

Knowledge Powered Enterprise

Real-Time Knowledge Management

- *Everyone Contributes*
- *KM Embedded in Workflow*

Seamless Information Space

Integrated Simulation / Decision Support

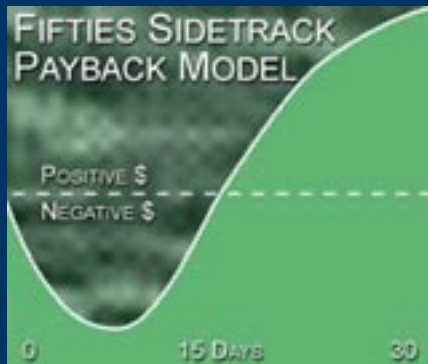
Data Mining / Knowledge Discovery

Decisions ... in Real Time

OilCo Well Engineer: We're planning to sidetrack well B23 in the Fifties field and are hoping you'll buy in. For \$10 million you can become a full 1-percent partner. A 96-hour shut-in test ended a few minutes ago. It indicates additional reserves of 750,000 barrels of oil and an initial sand-free production rate of 4,300 barrels per day.... We could do this tomorrow.



Investor, consulting his Knowledge Hub: I see that a sidetrack can double my rate of return, with a payback time of 30 days for 1-percent interest.... Count me in.



Knowledge Creation / Innovation

Continuous Learning

