Introducing Common Knowledge
The enabling infrastructure for Knowledge Management, Project Management and Team collaboration.

Common Knowledge allows teams to develop their own web based project portals to interactively manage the workflow planning and project execution process. A fluid but structured interaction among all technical and managerial participants ensures the crucial link between Knowledge and Project management.

Plan
Design project plans from predefined project templates. Leverage Best Practice from previous projects. Full integration with Microsoft Project®

Execute
Securely capture all project documents and files in a central store. Fast search and retrieval tools ensure that nothing lost over the duration of the project.

Deliver
Generate full project reports and documentation in multiple formats (HTML, PDF, Word). Generate knowledge summaries at any point in the project and recycle knowledge to other projects.

Document progress and results via web based project maps. Full integration with Microsoft Word to capture all project knowledge and documentation.
ReservoirTeam Ltd
3594 Nyland Way
Lafayette CO 80026 USA
Phone +1-303-5430935
Fax +1-775-2185810
info@reservoirteam.com
www.reservoirteam.com

ReservoirTeam is an international company that brings state of the art Web based technologies and related consulting for workflow management, knowledge capture and team collaboration to multidisciplinary reservoir projects. Our vision is based on the assertion that knowledge is not linear but a web, which captures technical and managerial information along with the complex interrelations across disciplines, individuals and organizations.

Knowledge Management is one of the key issues facing project teams in today’s upstream E&P industry.

Flexible and effective project execution and long term excellence demands a new approach to capture, utilize and manage "Best Practice" reservoir knowledge.
The ReservoirTeam Common Knowledge™ platform for Knowledge / Project Management and Team Collaboration.

ReservoirTeam Ltd. was founded in early 2000 with the mission to bring state-of-the-art, web-based knowledge management tools to the petroleum industry. The core of ReservoirTeam consists of petroleum professionals with extensive experience in the leadership and technical aspects of large, multi-disciplinary projects. In addition, ReservoirTeam includes a senior change management architect and a highly qualified IT team that specializes in the development of web-based knowledge management applications. ReservoirTeam Ltd. was founded in the UK with representation in Australia, Indonesia, Canada, and the USA.

The central drivers for all of ReservoirTeam’s products and services are:

- Enhancing the project team’s ability to work in both co-located and virtual environments.
- Bringing “best practice” knowledge to the point of decision.
- Providing a common knowledge-sharing methodology.
- Integrating knowledge sharing and team collaboration within a structured project management framework.

The primary vehicle for these capabilities is ReservoirTeam’s Common Knowledge™ platform (patent pending), a unique, web-based tool for workflow-driven knowledge and project management.

This tool is an enabler for the following four processes:

- Workflow planning and execution (via the NavMap graphical tool to manipulate processes and linkage between processes);
- Structured interaction among all technical and managerial participants contributing to the design and execution of the project.
- Establishment of a link between knowledge sharing and project management; matching know-how, skills, QA/QC, and best practices to responsibilities for project tasks and goals.
- On-line distributed Knowledge capture and dissemination during a project using the NavDoc XML context tagging tool; with a seamless link to a best practice repository.

Impact of the ReservoirTeam business solution on E&P project outcomes:

- Reduced project cycle-time due to improved team collaboration, real-time knowledge sharing, and use of best practices. More reliable results from benchmarking project knowledge to best practice standards.
- Higher quality business decisions due to team collaboration and knowledge sharing practices.
- Projects completed on time and under budget.
- Project knowledge instantly available to other projects.
Case Study: Knowledge Management Pilot Project

A pilot project was conducted for a major multinational oil company. The purpose of the pilot was to demonstrate the potential of the ReservoirTeam Common Knowledge™ platform to improve project planning, execution, documentation, and supervision via sr. specialists.

Three multi-disciplinary study teams used the ReservoirTeam Common Knowledge™ platform and NavMap and NavDoc system for studies conducted on behalf of an overseas business unit. During phase one of the pilot a workflow structure was custom-designed based on the standard subsurface study process used in the company. During a two week workshop held at the premises of the overseas business unit, all available information collected during the initial project phase and all locally accumulated knowledge was documented in NavMap and put into specific context using the NavDoc XML option. Examples of categories brainstormed are: fact, hypothesis, procedure, uncertainty, recommendation, opportunity, reservoir id., manpower constraints etc. Within days it was possible to query the ReservoirTeam Common Knowledge™ base for specific information, for example, all uncertainty factors across all disciplines, or all opportunities associated with a given reservoir or facility. In addition, key legacy documents and all results of quick-look calculations during the initial project phase were entered into NavMap’s workflow-structured document repository. The resulting Common Knowledge™ repository (based on the workflow structure) is a powerful basis for the continuation of these projects and future projects in the same area.

The following advantages of the ReservoirTeam Common Knowledge™ approach were identified by our client:

- Immediate and focused access to key information about the project (eg. project uncertainties, opportunities, recommendations, manpower constraints, etc.)
- A much improved synthesis between the three projects in the pilot by imposing a standard, documented, workflow planning.
- Retention and organization of all information collected (especially during the brainstorming workshops), which will be instantly available for review specialists and other projects of similar nature.
- A positive feedback of team members regarding on-line, on-the-spot, documentation using the ReservoirTeam NavMap and NavDoc tools.
- The Common Knowledge™ base will enable a much smoother handover to new staff scheduled to work on these projects.
- The Common Knowledge™ base provides an audit trail of files, information, version control, that is not readily available when using common and project directories.

As a result of the success of this approach our client has decided to expand the use of the ReservoirTeam Common Knowledge™ platform for Knowledge / Project Management and Team Collaboration.