RMtools

INNOVISIÓN

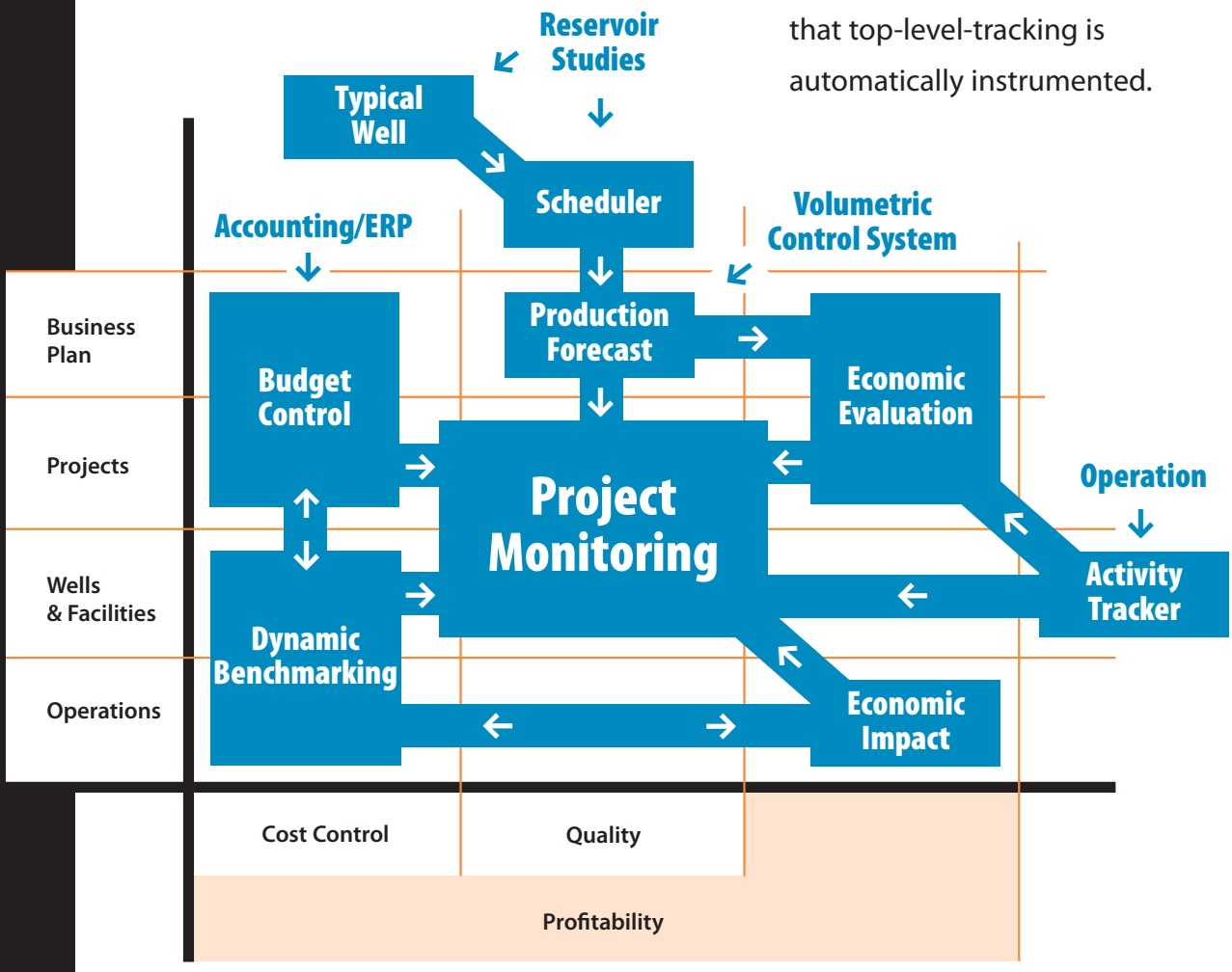
RMtools

RMtools, putting Reservoir Management theory into practice.

RMtools lets reservoir teams keep integrated, motivated and focused on the efficient management of every aspect of the business plan.

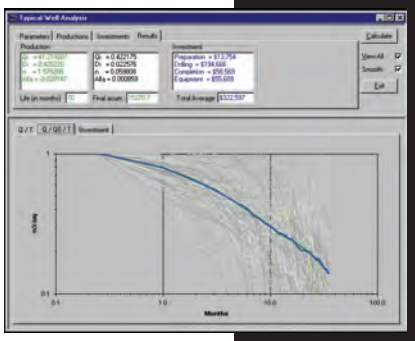
Providing a productive environment where goals, forecasts and performance indicators flow naturally from field operation, it assures utmost profit for each individual activity.

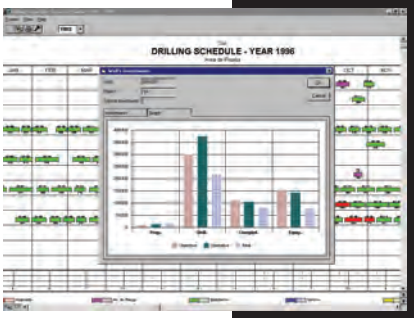
A high level of synergy among the members of the project team is achieved through an empowerment approach at the same time that top-level-tracking is automatically instrumented.



Scheduler

Scheduler is the tool for creating and updating business plans. It gives an easy-to-use environment to quickly create, view and evaluate different plans. It also allows for the evaluation of what-if scenarios under different conditions of investment, scheduling of activities, facilities availability, etc. Once the plan of action has begun, it can be used to see the degree of progress of actual activity and forecast the remaining plan.



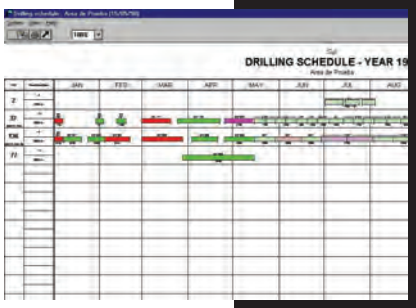


Typical Well

Typical Well is a handy tool for evaluating statistics of production, costs and physical activity indicators. It is used when previous historical information is available, or to check the evolution during the development of the plan. As easy as selecting a group of wells in a map, TW makes it possible to obtain the average production curve of the area, study the impact of each well on that average, and best-fit a decline curve on it. In the same way, it is possible to obtain the average investment for the selected zone, as well as global indicators about the physical activity (drillings, completions, etc.)

Production forecast

Production forecast is an automated tool that estimates future production for a whole plan, individual projects and even single wells. Taking into account real production from corporate databases, it estimates the total production rate for each well up to the end of their economic lives.
A queue-based algorithm simulates the use of completion and workover rigs permitting to define the optimal use of them and their impact in forecasted production.

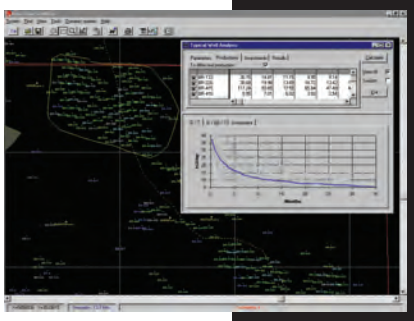


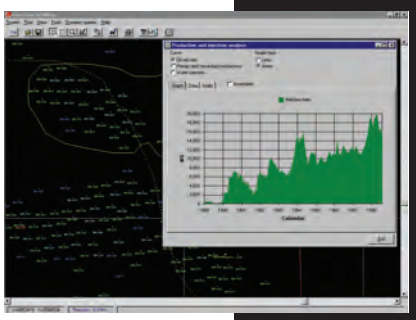
Activity tracker

During the actual development of the plan, the information about the operation begins to flow into **RMtools**. This information is stored in a summarized database to be used by the rest of the products. **Activity Tracker** is the program in charge of maintaining this information up-to-date. By manual input, automatically read from corporate databases (through **ODBD®** technology), or any mix of both, AT ensures that every significant point of information needed to run your projects is in place and easily accessible from a single repository.

Economic Evaluation

All the information used by **RMtools** is sent to the EE application to obtain different economic indicators. Those indicators are then stored in the **RMtools** database to assure you have their evolution in the same way you have the evolution of the rest of the performance indicators, goals and forecasted information.
A special engine can be implemented for each economic calculation method, but it is common to use third party tools that specifically do EE calculations and offer additional functionality that will be available without any extra data loading effort because **RMtools** will have it updated at the press of a key.





Dynamic Benchmarking

In the same way managers set goals for project leaders, DB defines goals for operative people in each single operation. This assures that all levels of the organization have precise objectives to follow and improve. Operative benchmarks are obtained using statistics from previous operations, new technological tendencies and business needs, and are defined for each reservoir and operation condition. With this methodology each operation will have a benchmark of time, cost and quality.

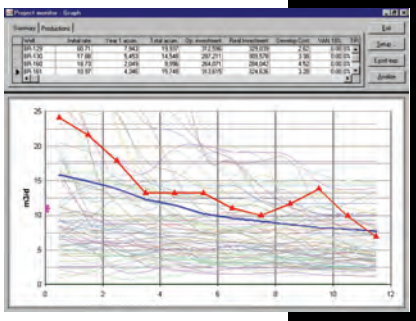
Economic Impact

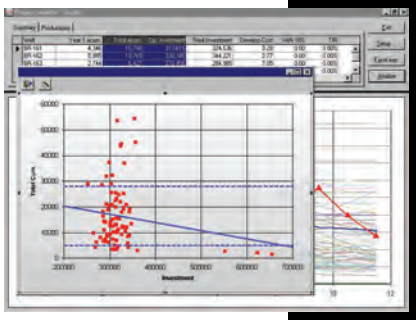
This application calculates the impact of each operation on the economic results of wells and facilities. Uses together with **Dynamic Benchmarking** it estimates the final performance of operations already carried out or planned, based on the actual results of each of them.

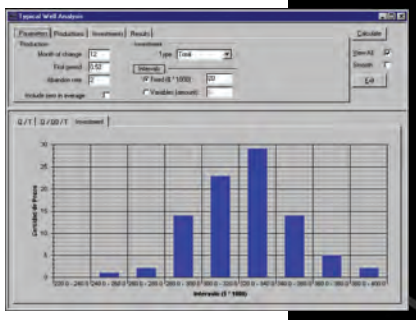
Even though this real time evaluation during the evolution of the activities changes a lot, it gives operative people a quick idea of how their decisions will impact the project.

Project Monitoring

During the execution of the plan of action, the monitoring of the different indicators that define the behavior of each project becomes a task of fundamental importance. **Project Monitoring** is a decision-support tool that allows you to evaluate the performance of the whole project and analyze the impact of each component compared to the expected performance. With this monitoring tool each member of the team can see the real state of their projects at any time, allowing them to analyze the factors of their success or failure and giving them the necessary information to take appropriate action.







Features

- *Quick planning and evaluation of base-plan and alternative scenarios.*
- *No more Excel-spreadsheet-business-plans spread all around your company.*
- *No more time wasted every month to inform the state of every one of the projects and the consolidation of them.*
- *Delivery of goals to each level of the organization in a top-down manner, with a continuous redefinition based on bottom-up feedback information.*
- *A distributed decision support system permits to lower the decision level for each task without losing visibility or control.*
- *Layered and distributed performance measurement.*
- *Information leveraged to each decision level.*
- *The database persistence of goals, results and forecast evolution assures the evaluation of performance and permits to continuously improve the process.*

Technical Information

- **RMtools** *works with a set of summarized information of daily activities. It is possible, and also expectable, that this information already resides in a more detailed way in many corporative applications. Should this be the case,* **ODBD®** *technology will let* **RMtools** *use it, only storing as proprietary information different goals, performance indicators and forecasts.*
- **RMtools** *information is stored in relational databases (Oracle, SQL Server, Access, etc) and can be accessed directly from any other application. However, export to other common industry applications may also be provided.*
- **RMtools** *security is implemented by means of a schema that combines database with applications security assuring that the business plan can not be accessed without permission.*

RMtools and its component applications are products of Innovisión S.A.
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