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# Technology for oil development plans optimization and advance analytics



Maximize profits and profits from the exploitation of oil fields thanks to the optimization of development plans.

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Decreases the construction time of development plans from **5 to 6 months** to **1 or 2 weeks**.

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The changes that are generated over time can be quickly implemented to the system, run and quickly obtain the updated development plan..

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You get savings between **2 and 20 million USD** per run in the system.

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Cloud application to optimize oil development plans.

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Investment return increase.

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Speeding up Project life span.

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Increasing the space for unexplored solutions, and allowing the periodic analysis and control of oil exploitation and exploration.

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## Derived services

- 1) Construction of development plans
- 2) Consultancy on the use of the platform
- 3) Analysis of data
- 4) Displaying results
- 5) Optimization methods for the sector hydrocarbons

Comparison DMS (halliburton) vs Fourier		
	Halliburton DMS	Fourier tech
Explored solutions	2.076	30.000
Time (hours)	120	28,57
Solutions per minute	0,29	17,5
% explored space	0,0006%	0,007%
%explored space per minute	0,000000069%	0,0000042%
		60,87 times faster

# PROCESS

Initial parametrization of all system variables is loaded, defining their behavior.

The system operates with decision, uncertainty, vector and target variables.



The system allows the consideration of all risk and uncertainty alternatives and monitors them in real time.





# RESULTS

The Fourier technology is **60,69** times faster than other technologies, generating savings in oil camps for over **20 million dollars** with efficiency percentages over **15%**.



Exploración del espacio de búsqueda		
	Tecnología actual	Tecnología Fourier
Soluciones exploradas	2076	30000
Tiempo Horas	120	28,57
Soluciones /min	0,29	17,5
% espacio explorado	0,00%	0,007%
% espacio explorado/min	0,000000069%	0,0000042%
		60,69

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