Leucipa transforms siloed systems into unified insights at Repsol

CHALLENGES

• Repsol created a multi-year vision for digital production, but lacked an automation and integration tool to execute

• Lack of a defined workflow to evaluate, assign, and track the impact of field activities and workovers

• Limited data integration required frequent manual effort to extract actionable insights

• Fragmented toolsets and siloed systems led to inefficient data gathering and analysis

• Optimization efforts were limited to very manual efforts to achieve production improvements

SOLUTION

• Baker Hughes collaborated with Repsol to develop and support an execution plan for their digital production vision

• The Leucipa™ automated field production solution was deployed across Repsol operations to:

  – Improve data reliability and performance by integrating broad datasets in context and highlighting data inaccuracies

  – Enable scalable data processing to support growing operational demands

  – Deliver digital twins across all assets through significant automation and optimization of underlying physics-based models.

RESULTS

75%
Increase in efficiency gains

3%
production increase

Reduction
In overall lifting costs

> **"Best and most complete rollout program I've seen in my years of Production Engineering."**
>
> - Lead Production Engineer, Repsol

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