

Case study

Petrobras RTO Live

COMPANY OVERVIEW

Petrobras team focuses on investing and developing technologies to improve well safety and reduce well costs. The R&D team works with the offshore well construction group to continuously optimize the drilling process and better understand areas for cost savings and safety improvements.

THE CHALLENGE

Petrobras team had a good understanding of the type of analyses that would drive increased safety and reduced cost, but the data governance and analytical tools were not developed enough to allow the team to effectively perform these analyses. More specifically, the team faced the following challenges:

- ▶ Data taxonomy was inconsistent;
- ▶ Accessing data and sharing knowledge was challenging because data was stored across different stakeholders;
- ▶ Different analyses required different software programs;
- ▶ Developing custom analyses was time consuming;
- ▶ Data collection interruptions went unnoticed;

Intelie's solution

Intelie's RTO Live analytics platform solves both data governance and analytics challenges. Intelie's data governance platform allowed efficient consolidation of service providers' data enabling access from a single access point and automatically recodes the data to ensure a consistent taxonomy. The Intelie platform continuously monitors data streams from service providers and alerts users when data transmissions are offline.

Intelie's RTO Live analytics platform houses a library of analysis modules, eliminating the need of the traditional usage of multiple software resources for performing analyses. The flexible and extensible platform also allows for quick development of custom analyses.

THE RESULT

Petrobras' Real-time Operation Center assisted the development of Libra oil-field wells using Intelie software.

Intelie's data governance solution immediately saved 90% of costs versus the previous software, in order of magnitude it means millions on first year. These savings do not yet include the cost reduction from drilling operations. Intelie solution made it feasible to achieve current savings by allowing Petrobras to:

- ▶ Reduce data costs from field services companies;
- ▶ Reduce data request cycle times (from days to seconds);
- ▶ Perform both standard and more customized analyses in less time and with lower software licensing costs;
- ▶ Delivery guarantee of data from service providers and ensuring data standards compliance;



The Intelie solution allowed Petrobras to identify and address potential well issues in a more accurately and quickly pace, while reducing the overall data and analytics costs.

TESTIMONIAL

“Our motivation to use RTO-Live is cost reduction. The new tool will allow us to save about R\$ 10 million in 2016. This estimate still does not include the potential drilling optimization (drilling time reduction and drilling cost reduction). The tool also helps the company to identify real time data transmission problems, such as wrong units conversions. Besides, the software allows the integration of different specialist systems, such as Pronova and PWDa (Petrobras’ real time drilling operational problem diagnostic software). The system is being successfully implemented in Petrobras and helps the Decision Support Centers personnel to make right and fast decisions. The Intelie software is very user friendly, flexible and is a unique tool in the Oil and Gas industry.”

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