

The customer is a petroleum and natural gas exploration company headquartered in El Dorado.

The company also has operating offices in Houston, Texas, Calgary, Alberta, and Kuala Lumpur, Malaysia

## Intelligent Field Co-Pilot



### Challenge

- Limited access to essential equipment and machine information for field operators.
- Time-consuming issue resolution and maintenance due to dispersed data sources.
- Lack of insights from historical data affecting decision-making.



### Solution

- Extracted data using OCR tool and organized it into chunks
- Chunks were stored in a Cognitive search index containing metadata.
- User queries were applied to the Cognitive Search, employing semantic search methodologies to pinpoint and retrieve the top-matching indexes



### Outcome

- Intelligent search and insights improved operator efficiency
- Enhanced accuracy in addressing equipment and machine concerns



### Business Impact

**40%**

Decrease in machine downtime

**80%**

Improvement in resolution time