



Oil & Gas Use Case

About Us

SingularityAI, the next generation IDP company, provides an Artificial Intelligence platform to help enterprises transform their raw data into actionable insight.

Enterprise leaders use SingularityAI to efficiently convert high-volume unstructured content into machine-readable data, enabling real-time decision-making and powering improvements in customer experience and operational agility.

Serving a global customer network of top-tier organizations in banking, insurance, healthcare, energy, and other data-intensive industries, SingularityAI is headquartered in Princeton, NJ's Einstein's Alley.



Challenge



Material Test Reports Semi-structured Data

Extract key data from Material Test Report (MTR) so information can be easily found and matched to corresponding component.

The MTR is used to record various test data of raw materials. It is necessary to constantly access and review documents such as MTR to ensure safety and compliance.

Major oil pipeline company conducting this process manually with physical copies of MTR, leading to disorder, project delays and a lack of transparency between parties.

Solution

Singularity trained a model in a few days and built a front-end UI for the end customer.

Users can a) upload and store scanned MTRs into a digital database, and b) send an image of a component, or use search terms, to quickly find the MTR corresponding to any component.



Results

- 80% reduction in handling time (from fifteen to three minutes)
- SMEs easily able to validate accuracy of information and centrally manage data
- Continuous quality control and human-in-the-loop learning
- Total transparency and reporting of MTR process
- Reduced handling costs by \$9.4M across ten warehouses