

CASE STUDY

Transforming Oil & Gas Industry
Title Document Processing



Unlock the Power of Data with AI

CASE STUDY:

Transforming O&G Title Document Processing

BACKGROUND

This client holds a prominent position within the Oil and Gas sector, extending its influence across the energy landscape. Operating within the dynamic and ever-evolving energy industry, our client recognized the need for a cost-effective and streamlined solution to ensure the precision and up-to-date nature of their critical data repositories.

Traditionally, they had relied on manual labor for the meticulous input of data from the Oil and Gas documents. The limitations of this conventional approach have become increasingly apparent. Its inefficiency had the potential to hinder its agility and responsiveness in a fast-paced market environment. Consequently, the Client embarked on a quest for an innovative solution to enhance the efficiency and accuracy of their data management processes, aligning with the dynamic nature of the Oil and Gas sector.

SOLUTION

Our approach harnessed the capabilities of proprietary AI technology to optimize the processing workflow. This cutting-edge technology demonstrates exceptional proficiency in the classification of diverse document types and the extraction of vital data points. The AI-driven system not only substantially accelerated the processing speed but also yielded substantial cost efficiencies when compared to manual processing methods. Our unwavering commitment to continuous enhancement guarantees that the client can place unwavering trust in the precision and dependability of the processed data, empowering their decision-making processes.

PROCESS FLOW

The client would source official documents registered at county offices and facilitate their transmission to ADI through a secure sFTP server. Within this operational framework, the ADI system would orchestrate a seamless sequence of operations. It initiates by collecting the documents at a predetermined frequency, adhering to a meticulous schedule. Subsequently, the system diligently classifies and meticulously extracts pertinent data points from these documents.

CASE STUDY

The extracted data undergoes a rigorous validation process, subject to predefined rules meticulously configured for precision and compliance. To ensure the utmost accuracy and quality, the extracted data is scrutinized and approved by Subject Matter Experts (SMEs) before finalization. Once the data has received the requisite sign-off from the SMEs, it is efficiently conveyed to the client's systems. This orchestrated process stands as a testament to the precision, reliability, and integrity of our data-handling approach, reinforcing our commitment to delivering exceptional results.

HIGHLIGHTS

Unprecedented Efficiency: Our AI-driven solution significantly increased document processing speed, delivering substantial cost savings.

Superior Accuracy: Consistently exceeding the targeted 98.5% accuracy rate ensures data reliability for critical decisions.

NEXT STEPS

As we move forward, ADI remains dedicated to enhancing AI technology, expanding coverage, and ensuring the client remains at the forefront of real estate title document processing. Together, we anticipate even greater achievements and continued success in the years ahead.

ABOUT AXIS DATA INNOVATIONS

Axis Data Innovations (ADI) is a company focused on driving innovation to unlock the power of data. This vision is accomplished by leveraging artificial intelligence and other technologies to better capture, analyze, and act upon data to drive business performance. Leverage this data to improve decision support, increase operational resilience, and respond faster to change.

ADI offers solutions well-suited to the Title, Real Estate, and Oil & Gas industries. The ADI team of data scientists, software developers, and solution consultants has deep industry knowledge and technical expertise to get the job done right, the first time.