



**RED OAK**  
strategic

## AWS Migration Case Study

### JPTC Energy:

Amazon Web Services Cloud Migration & Analytics Development

#### Project Overview

JPTC Energy is an energy trading organization made up of analysts and traders spread geographically throughout the United States. In operation for over two decades, JPTC engaged Red Oak Strategic to assist in the modernization and migration of many of their legacy analytical and database tools to the Amazon Cloud. A stable, powerful and agile infrastructure is key to their operations and profitability, with the need to process large datasets quickly for decision-making, all while maintaining security and reliability.

#### AWS Cloud Migration

As an AWS Partner, Red Oak Strategic was brought into the project by JPTC leadership to assist in establishing redundant, powerful and scalable database, computing, visualization and processing tools. The tools were required to integrate with their existing on-prem infrastructure and security setup, as well as be easily utilized by their team across the organization. Using AWS EC2, RDS, S3 and other solutions, numerous critical processes were moved off of legacy on-prem equipment and into the AWS cloud. Red Oak Strategic designed and managed execution of the migration over the course of six months, and remains a consultant to JPTC Energy for current and future AWS and engineering needs.

#### Analytics Overhaul

An extremely important part of the JPTC toolset is the ability to process and analyze large datasets very quickly. Red Oak Strategic's knowledge in designing scalable analytics processes using EC2 and S3 allows traders to quickly run scenarios and find profits. Part of these processes are designed to scale quickly, but also utilize AWS APIs to remain budget conscious. Red Oak Strategic's expertise in the AWS cloud tools provided JPTC with a very quick and powerful solution, maximizing their budgets on the migration project.

#### Project Results & Client Success

- Stabilized server infrastructure with increased uptime in line with AWS availability
- Increased data processing speeds with over 50% accuracy improvement in predictive models

*JPTC COO Jeff Wells:*

“Red Oak Strategic possesses a high level of expertise in the development and implementation of AWS strategies. They provided a smooth transition for our company into AWS, which has dramatically increased our capacity and flexibility. Bottom line, our profits have increased substantially as a result of Red Oak Strategic's work with our company. We highly recommend them.”