Leading Investment Firm in Wholesale Power Markets

About the customer

- Mid sized proprietary trading firm
- Uses a combination of market knowledge, quantitative techniques and technologies for investment decisions
- Registered market participant in CAISO, ERCOT, MISO, SPP and PJM

Business Goals

- Enable trading teams make smart investment decisions
- Build predictive models, optimization engines and other quantitative tools for trading teams

Why they chose Zuci?

- ZUJYA, Zuci's test automation automation framework for machine learning was considered a good fit
- Zuci's Test Automation solutions for complex applications was a propelling factor

CHALLENGES

- Validate data sets used by trading teams for decision making
- Identify Data Anomalies
- Connect distributed teams (video requirement to test suite)
- Improve overall QA efficiency

SOLUTIONS

- Setup ZUJYA in Continuous Testing mode to resolve data challenges
- Helped improve bid accuracy by providing the right set of data related to power generation, cost and consumption
- Early detection of detects with daily and extended regression suites

"Playing with numbers has always both puzzled & amazed me. This time we had to spend lot of time defining and redefining the problem. At the end, writing the algorithm was a cakewalk!"

- Anil Kumar, Head of Technology

OUTCOMES

- Improvements in decision making due to data integrity
- ZUJYA helped in processing large data in short time
- Customizations built on top of ZUJYA for customer helped in bidding

TECHNOLOGY STACK

Apache .poi
Se
Jenkins
Confluence
Maven

ZUCI SYSTEMS

What can we do for you?