



Powered by Passion



CASE STUDY

Built Predictive Model for a Leading
Investment Firm in Wholesale Power
Markets

About the company

A quantitative investment firm classified as the best proprietary trading firm. It is a 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

How Zuci helped

- ZUJYA, Zuci's test 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



Outcome

- 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

"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

Tech Stack



Maven™



X Confluence



About Zuci

We are revolutionizing the way software platforms are engineered with the help of patented AI and deep learning models. Driven by our competency in delivering superior customer experience, business efficiency, and actionable insights we have evolved to developing cutting-edge technology with a nimble and collaborative approach.



+1(214) 230 - 9824



sales@zucisystems.com



Chicago, US

WWW.ZUCISYSTEMS.COM