



Modernization of an Energy Supply and Sales Platform

Success Story

The utility supply company is now using a modern web-based monitoring and control platform which has significantly improved their energy distribution and sales processes. They have boosted and ensured higher quality through a complete audit and performance assessment and enjoy greater efficiency with automated CI/CD provisioning.



100% automated
release & deployment



200 critical
business bugs fixed



Enhanced
code quality

The Client

A company which produces, procures, trades and distributes energy resources, namely, electricity and gas. As one of the largest European municipal utility companies, they open up the potential of liberalized energy markets for municipal utilities along the entire value-added chain.

The Case

Scalefocus was chosen as the technology partner which would skillfully integrate effective automated processes in the software delivery pipeline to help our client reach higher efficiency and quality.

Our client also required a durable production and sales platform which needed to have a central interface for the bundling of trade and sales functions for utilities and industrial customers. The platform would also integrate several crucial processes such as balancing group management, spot trading, load profile and portfolio management, forecasting and more.

Our technological partnership resulted in developing a next-generation digital platform for energy supply and sales functions. Our team's diversified expertise made it possible to complete the project seamlessly and on time.

The Achievements

Our engineering team was engaged in the development of a next-generation web-based monitoring and control platform which enhanced the energy distribution and sales processes of our client. We began the transformation of the system at a very critical moment. The release and deploy processes were automated, we fixed a lot of critical business issues and successfully set up and passed a UAT phase with their clients.

Overall, we managed to achieve:

- A significant increase in the overall code quality;
- Improved peer code review procedure enforced by CI/CD and tools (Bitbucket / Jira);
- 100% automation of release and deployment processes;
- Over 200 business critical bugs fixed in the first 6 months;
- Improved documentation process, covering all operational procedures as well as the most vulnerable parts of the legacy code;
- Enhanced automated backup procedure.

The Solution

Continuous Integration/Continuous Development best practices were introduced in a complex hybrid IT landscape. Our team excelled in modernizing and stabilizing the client's existing application landscape to enforce scalability.

Our team successfully completed:

- A front-end and back-end solution audit and performance assessment;
- Custom application development and quality assurance;
- Application and Business-as-Usual management services;
- Preparation for real-time data provisioning;
- Faster Bug-fixing / New feature development and proper understanding of the internal condition with the key areas needing improvement.

We created a new DEV environment built from scratch, using CI/CD with automated provisioning. After the modernization, the most critical business cases are now covered by manual/automated test-cases. The test-case management tool in use is quite adept – it can be used both for writing and executing test scenarios, creating test-plans, etc.

Energy was devoted towards creating a Software Development gap-analysis document with specific outlined areas for improvement for consistent quality control over the development, quality and infrastructure delivery process. After reviewing the document, we fully prepared and are now in the implementation phase of application stabilization, cloud migration and integration into the strategic system landscape where the client's most critical systems are.