



Endesa Transforms with TIBCO for the Digital Energy Era

Sustainable business model, speed, optimized costs, and operations

“We are very happy with TIBCO Spottfire® because we are handling analysis from a perspective that is technical but also for business people. It’s not only about IoT or infrastructure monitoring, it’s also for monitoring our own platform from a business perspective.”

—Ainhoa Ortiz del Río, Head of Integration and BPM Manager

CHALLENGE

A SUSTAINABLE BUSINESS MODEL

The energy industry is currently experiencing a profound transformation, and the Enel Group (Endesa’s parent company) is looking to lead by creating a more open, participatory, and digital energy era. It refers to this as the Open Power concept, which will open up energy to more people, new technologies, new ways of managing energy for consumers, and new uses of that energy.

“The rapid pace of change in the energy sector is unstoppable,” said Ainhoa Ortiz del Río, head of integration and BPM manager. “We are convinced that digitalization is fundamental to developing a more sustainable business model focused on customers and their requirements.”

With more than 30 internal and external systems built with assorted architectures and diverse technologies, Endesa needed a powerful way to integrate everything, monitor end-to-end processes, and create ad hoc reports to drive better business outcomes.

SOLUTION

COMPLEX SYSTEMS SIMPLIFIED

TIBCO BusinessEvents® allows Endesa to predict the needs of its customers, make faster decisions, and take faster action. With a new monitoring technology enabled, Endesa can now understand exactly what is happening on its platform.

ABOUT

Endesa is a leading energy company in Spain and Portugal with around 10,000 employees, providing services for over 11 million customers. The company is committed to spreading a more sustainable energy culture and strives to be at the forefront of the technological transformation of the energy industry. To meet this goal, Endesa joined the Enel Group in 2009, a multinational energy company and leading integrated operator in the global electricity and gas markets, with a particular focus on European and Latin American markets.

RESULTS

- 900 services orchestrated and running on the platform
- Every service running under one second
- Integration of over 30 internal and external systems

“We are using TIBCO BusinessEvents® streaming analytics to monitor end-to-end processes with a layer of complex event processing; and for analytics, we are using TIBCO Spotfire® analytics,” said Ortiz del Río.

Using Spotfire®, Endesa can follow streaming analytics in its environment, make note of what is happening to a particular service, and solve any problems quickly.

“With Spotfire, we are exploring what’s happening in our platform from top to bottom,” said Ortiz del Río.

Endesa’s platform is a layered architecture that integrates all its services. It selected TIBCO ActiveMatrix® Service Grid to integrate all services that were moved into AWS.

BENEFITS

SINGLE PROVIDER STRATEGY

Endesa staff decided to go with TIBCO because they wanted a trusted provider with a diverse product family. TIBCO’s products met all of their integration requirements and allowed for business process automation. Using TIBCO, Endesa is able to control business processes, make decisions in real time, and provide tools to fulfill technical and functional monitoring requirements.

“We wanted to have a single provider that could answer all our needs,” said Ortiz del Río.

FASTER TIME TO MARKET, OPTIMIZED COSTS AND OPERATIONS

Cloud is a priority for Endesa today as 21 percent of companies are already using public cloud services, and 56 percent have plans to do so in the coming years, according to Ortiz del Río. Using TIBCO Spotfire for data visualization on AWS, Endesa gained capabilities for growth, including scalability, agility, flexibility, and Amazon CloudWatch features. Using the cloud also helps production, with faster time to market and optimized costs and operations.

“With a cloud solution, we gain operational excellence, improving quality, availability, and security. It’s the only way to accelerate innovation, be aligned, and collaborate,” said Ortiz del Río.

ALIGNED WITH STRATEGIC PLAN

Working with TIBCO allowed Endesa to achieve its strategic plans for a new business line, e-Solutions, shifting the company from asset-based to service-based. The new e-Solutions line is gaining traction, and Endesa is positioned to capture an increasing number of opportunities. Providing solutions to customers as a way to become an energy-as-a-service provider, Endesa is driving its business forward with e-mobility, distributed generation and storage, and demand management.

FUTURE

In the next two years, Endesa plans to change some business processes and re-architect to make them more cloud-ready. This year, the company plans to deploy TIBCO Cloud™ Mashery® for API management and API creation, publication, security, monitoring, and analytics.

“We would like to keep improving our methodology to deploy processes and projects faster without losing quality, and we would like to start working with other cloud-ready products such as TIBCO FTL® and TIBCO BusinessWorks™ Container Edition.”



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