

# The Enel Group transforms with Spotfire for the digital energy era

Sustainable business model, speed, optimized costs, and operations

**“We are very happy with Spotfire 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, Endesa

## Challenge

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 at Endesa. “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.



## Enel Group

Endesa, part of the Enel Group, is the largest Spanish multinational electric utility company with 10 million customers in Spain and another 10 million customers internationally. Domestically, it generates over 97,600 GWh from nuclear, fossil-fueled, hydroelectric, and renewable resource power plants annually. The Enel Group operates in more than 30 countries, bringing energy to people through the adoption of new sustainability-oriented technologies.

## END-TO-END

## PROCESS MONITORING AND OPTIMIZATION

# 900%

## ORCHESTRATED SERVICES RUNNING ON THE PLATFORM

# 30+

## INTERNAL AND EXTERNAL SYSTEMS INTEGRATED

## Solution

Spotfire allows Endesa to predict the needs of its customers, make faster decisions, and take faster action. With a new monitoring technology, Endesa can now understand exactly what is happening on its platform. “We are using streaming analytics to monitor end-to-end processes with a layer of complex event processing; and for analytics, we are using 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.

## Benefits

With Spotfire, Endesa can gain insight into business processes, make decisions in real time, and provide tools to fulfill technical and functional monitoring requirements.

### 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 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 a strategic plan

Working with Spotfire 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—all with the power of Spotfire.

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Cloud Software Group  
Headquarters  
851 W Cypress Creek Rd.  
Fort Lauderdale, FL 33309  
[www.spotfire.com](https://www.spotfire.com)

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