

Lighthouse Customer: TotalEnergies



TotalEnergies SE is a French multinational integrated energy company headquartered in Courbevoie, France. Founded in 1924, it operates across the entire energy value chain, producing and marketing oil, natural gas, LNG, biofuels, renewables, and electricity. TotalEnergies is one of the world's seven "supermajor" oil companies and is actively transitioning toward low-carbon energy solutions.

Industry/Sector: Utilities – Oil & Gas

Locations: HQ in Paris, France

Revenue: \$200+ Billion

No. Employees: 100,000+

Did you know?

They are one of the largest refiners and producers of Petro Chemicals globally and produce 9500 Olympic size swimming pools of Oil per day!



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Where they were

TotalEnergies faced challenges managing asset operations across exploration, production, refining, and chemicals globally. Legacy systems created silos, limiting visibility and increasing maintenance costs. The company needed a unified, AI-driven platform to consolidate asset management, reduce downtime, and support its energy transition strategy while integrating with its global ERP backbone.

What they did

TotalEnergies selected IFS Cloud as its single platform for global asset management transformation. The solution includes Enterprise Asset Management (EAM) and Service capabilities within a unified data model, leveraging Industrial AI for predictive maintenance and operational optimisation. Delivered as SaaS on Microsoft Azure, the platform integrates with TotalEnergies' ERP and supports over 13,500 global users.



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What they achieved

The implementation will streamline asset management and service processes, reduce maintenance costs, and extend asset lifespan. By consolidating operations on a single platform, TotalEnergies expects improved uptime, lower operational risk, and enhanced profitability across its global asset portfolio.

What's next?

TotalEnergies plans to expand its use of **IFS.ai** for predictive analytics and integrate IoT-driven insights for proactive maintenance. The roadmap includes deeper integration with supply chain and sustainability reporting systems, supporting its goal of net-zero emissions by 2050.



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Why IFS?

IFS was chosen for its composable architecture, scalability, and deep expertise in asset-intensive industries. The platform's ability to integrate EAM and service within a single AI-powered ecosystem was a key differentiator, aligning with TotalEnergies' digital transformation and sustainability objectives.

Sales Engagement

IFS engaged TotalEnergies through a consultative approach, including executive workshops, architecture reviews, and proof-of-value demonstrations. The sales cycle focused on integration readiness, scalability, and Industrial AI capabilities, supported by transparent communication and collaborative planning sessions – all supported through a partnership with Accenture

Solution Landscape

- IFS Cloud for Enterprise Asset Management (EAM)
- IFS Success
- IFS.ai + Nexus Black
- IFS Poka



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Implementation and Deployment Journey

Phased rollout with SaaS deployment in Azure, leveraging hub-and-spoke architecture for data isolation. A close relationship and IFS Success focuses on value assurance and key deliverables.

Benefits & Outcomes

- * Unified platform for global asset management
- * Reduced maintenance costs and improved uptime
- * Extended asset lifespan through predictive maintenance
- * Enabled 13,500 global users for real-time asset operations

Customer ESG

TotalEnergies is committed to net-zero emissions by 2050 and invested \$5 billion in low-carbon energy in 2024, primarily in renewables and electricity. It achieved a 55% reduction in methane emissions vs. 2020, ahead of schedule, and increased renewable capacity to 31.6 GW.

