

WELCOME TO ORBITAI

NEWSLETTER



AI for a Cleaner Mexico

Energy Innovation and Predictive Efficiency

At a time when digitalization and sustainability converge, Mexico stands at a turning point in its energy sector.

On one hand, the country faces critical challenges: rising demand, tight operating margins, supply variability, and an international commitment to decarbonization.

On the other hand, the emergence of technologies such as artificial intelligence (AI) opens a window of opportunity to transform how energy is generated, transmitted, distributed, and consumed.

- The AI-in-energy market in Mexico reached USD 392.1 million in 2024 and is projected to hit USD 1.87 billion by 2030, representing a compound annual growth rate (CAGR) of about 29.9% between 2025 and 2030.

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● Elevate Your Business

- According to the International Energy Agency (IEA), the energy intensity of Mexico's economy decreased by only 6% between 2000 and 2024.
- In May 2025, the National Energy Control Center (CENACE) reported a system capacity of 47,834 MW against a demand of 47,660 MW, leaving an operating margin below 6%.
- In 2023, approximately 21.5% of Mexico's total electricity came from renewable sources (5.7% hydropower, 6.1% wind, 7.6% solar, 2.0% others).



Strategic Advantage for Mexican Companies?

- Companies that adopt AI with an energy vision can differentiate themselves, reduce operational risks, and enhance competitiveness in a globalized market.
- In a nation embracing advanced manufacturing and nearshoring, having a digital and flexible energy infrastructure will be a decisive factor for investors.
- From an ESG (Environmental, Social, and Governance) perspective, leveraging AI to improve energy footprints, service stability, and data transparency positions organizations as leaders in sustainable transition.



Renewable Integration + Storage



Operational Efficiency and Cost Reduction

The transformation of Mexico's energy sector through AI is no longer a distant vision—it is a present reality under construction.

The winning strategies will be those that combine intelligence, ethics, and measurable impact.

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At **OrbitAI**, we partner with energy companies and related organizations to accelerate AI adoption through:

- Development of explainable AI models that forecast demand, optimize dispatch, and manage assets efficiently.
- Design of intelligent energy dashboards integrating real-time data, early warnings, and visual analytics for strategic decision-making.
- Implementation of compliance and data governance platforms ensuring quality, traceability, and responsible AI usage.
- Consulting and strategic roadmaps to build robust data and AI foundations, from data quality to production-level deployment.

Contáctanos!

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