

Datahub GEN – Driving a data-centric transformation at EDP



The Datahub GEN project was developed to accelerate the digital transformation of EDP's conventional generation business in Portugal and Spain. The project empowers the organization with a robust, governed, and intelligent data ecosystem. It is part of a broader vision of modernization and operational efficiency that recognizes data as a strategic asset and driver of innovation.

“Together with CGI, we have successfully laid the foundations for a culture that is truly data-driven, and this will enable us to continuously innovate in the fields of analytics and AI.”

EDP

The challenge

EDP faced the challenge of modernizing its operations while fostering a data-driven culture. Disparate data sources, limited governance, and the need for intelligent asset management highlighted the urgency for a unified, strategic approach to data.

The solution

The **Datahub GEN** project was launched to create a robust, governed, and intelligent data ecosystem that supports informed decision-making to increase operational efficiency. With CGI as a key partner, the initiative has been developed under Agile Managed Services, leveraging three strategic pillars:

Data governance: Implementation of data governance, using EDP's governance tool, with a clear governance structure, documented, certified data, and defined ownership.

Transversal data availability: Broad access to reliable data across domains, supported by a modern infrastructure.

Business visibility: Development of intelligent, actionable applications and dashboards based on real needs (Use Cases).

A dedicated Change Management stream ensured organizational alignment, supported by strong communication, documentation, and comprehensive training initiatives.

Key benefits



Stronger decision-making: A Single Source of Truth (SSOT) empowers teams with consistent, secure, and accessible data.



Promote a data-driven intelligent asset management strategy for decision-making, unlocking efficiencies and developing solutions based on analytics and AI.



Cultural shift: Embedding a data-centric mindset across teams through targeted engagement and education.

Datahub GEN and Data governance practices are now a reality and the basis for future AI and analytics projects at EDP.

Measurable impact:

Over
1,367
Business Glossary entries and in
2,348 Data Dictionary entries.

300+
Data entities were structured
within the platform's bronze,
silver, and gold layers.

24
subdomains covered
4 business areas.

48
Dashboards and reports
were implemented.

77
Data Owners and Stewards
appointed.

Partnership

CGI's expertise and collaboration with EDP's Data & AI Center of Excellence ensured the successful adoption of best practices and technical excellence. Together, the teams built solid technological and methodological foundations, creating scalable solutions aligned with EDP's strategy and reference architecture.

Datahub GEN marks the beginning of a new era for EDP: one where data is fully leveraged as a strategic asset. The project sets a robust foundation for continuous innovation in analytics and AI, reinforcing EDP's vision of being an intelligent, efficient, and data-driven organization.



About CGI

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We are insights-driven and outcomes-focused to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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Visit cgi.com

Email us at marketing.pt@cgi.com