Insight AI

CLIENT STORY

Empowering Digital Transformation: Seamless ERP Migration for a Global Energy Services Provider



Civil Engineering

Story Snapshot

A leading global engineering and energy services company required a seamless transition from its ageing enterprise platform to a modern ERP system, with minimal disruption to procurement operations.

Insight AI played a critical role in building secure, scalable integrations between the Data Lake and multiple business applications – ensuring reliable data flow, operational continuity, and enhanced interoperability across the procurement ecosystem.

The Challenge

The client, operating at scale within the energy and infrastructure sector, faced a critical business risk: its legacy enterprise ERP platform Oracle EBS was reaching end of life.

The organisation's procurement and supply chain operations, vital to the functioning of its global projects, depended on multiple legacy applications tightly coupled with the outgoing system. These applications required integration with the new ERP—Aveva ERM—while maintaining operational continuity, ensuring data security, and meeting a non-negotiable go-live deadline. With stringent budgetary constraints and cross-departmental dependencies, the stakes were high.





The Solution

Insight AI implemented a tailored integration solution, designed to route all procurement data flows through a newly established Data Lake—transforming it into the organisation's definitive system of record. Key highlights included:

- **Strategic Engagement:** Amdaris collaborated closely with client stakeholders and supply chain teams via structured requirements gathering, detailed SRS documentation, and agile delivery cycles.
- **Modern Technology Stack:** Development leveraged .NET 8, Azure API Management, Cosmos DB, and Angular, supported by Azure DevOps CI/CD pipelines.
- **Custom-Built Integrations:** The team replaced outdated DB links with secure, flexible API-based integrations—documented using Swagger and rigorously tested with Postman.
- **Security & Compliance:** All endpoints were secured using Azure API Management with managed identities, ensuring strong access controls and compliance with internal IT standards.

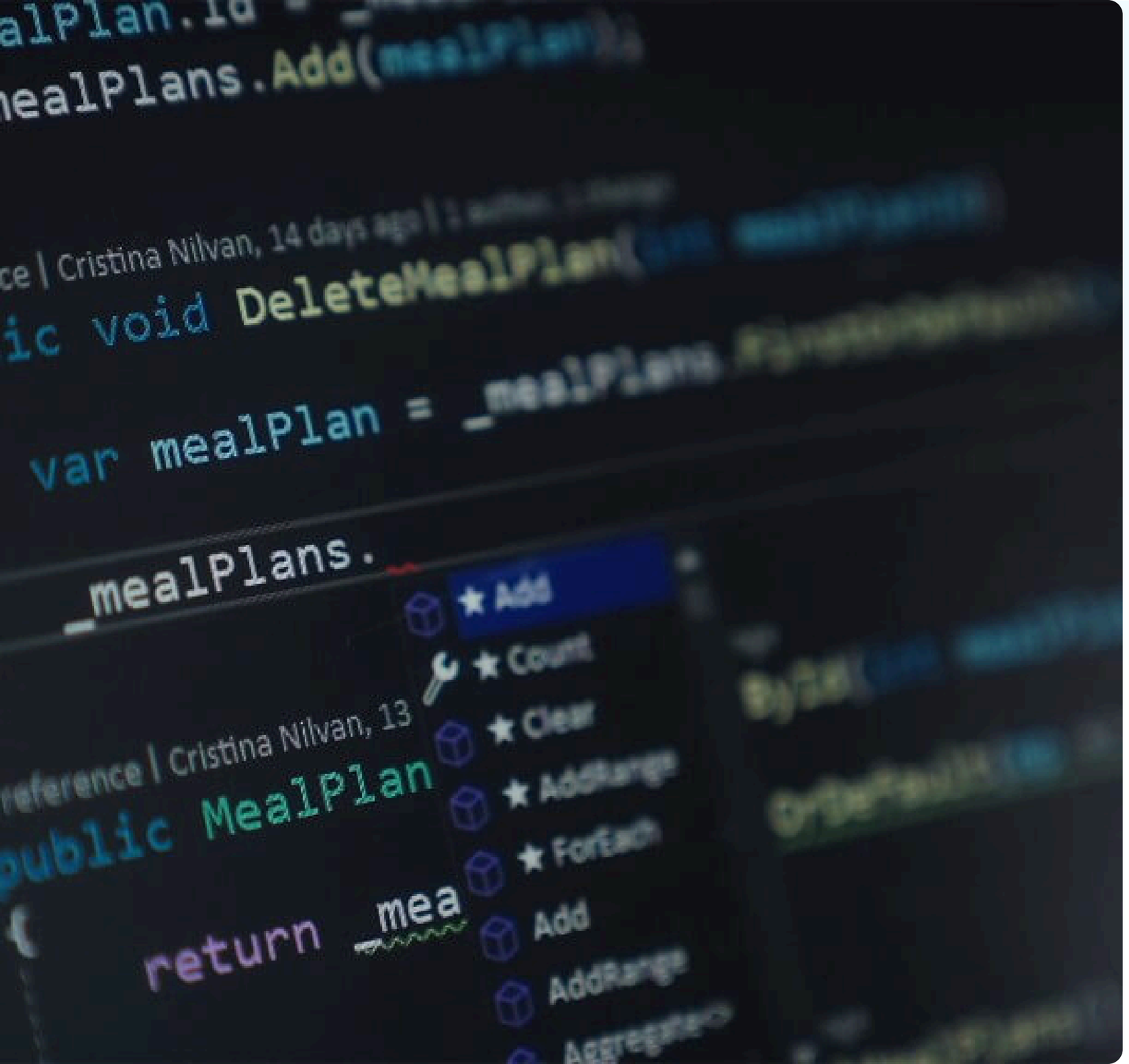
The result was not an off-the-shelf solution but a fully bespoke data and integration framework aligned with the client's complex ecosystem.

Results

The transformation delivered tangible benefits to the business:

- **Zero Downtime:** Smooth migration with no disruption to daily procurement workflows.
- **Cost Efficiency:** Delivered 15 additional improvements within the original budget.
- **Time Efficiency:** Completed all additional enhancements within the planned timeframe.
- **Security & Flexibility:** Azure API-secured integrations are now adaptable for use by any authorised system—including the Data Lake or direct sources—ensuring long-term resilience and reduced support burden.
- **High Client Satisfaction:** The project earned praise from key stakeholders for its smooth execution and high quality.





Technical Highlights

- **Agile Delivery:** Iterative sprints and structured onboarding following Amdaris' delivery framework.
- **Scope:** 5 integrations across 6 legacy apps, one new web app, and 15 additional improvements.
- **Architecture:** Event-driven architecture via Azure Event Hub, supported by MVC frameworks and Azure DevOps pipelines for automated deployments.
- **Deployment Strategy:** UAT by August 2024, full production release in November 2024, with staged rollouts and automated CI/CD pipelines.
- **Knowledge Transfer:** Comprehensive documentation (LLD, SRS, data mapping) and knowledge sessions ensured a smooth handover to internal support teams.



Why Insight AI?

- **Proven Expertise:** Decades of experience modernising enterprise applications.
- **Collaborative Delivery:** Coordination across time zones and business units.
- **Tailored Innovation:** Flexible, secure solutions aligned with IT architecture and goals.

Insight AI

Thank you for reading

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