



## CLIENT STORY

# 178 Days to Market-First: How Agentic AI Rewrote the Rules of Enterprise Delivery



## Renewable Energy

### Story Snapshot

Ailys Group, a leader in the renewable energy sector, set out to build something the market had never seen: a single platform managing the entire biomethane sustainability lifecycle – from feedstock procurement to issuing tradeable Proof of Sustainability certificates. The regulatory stakes were high. EU audits are rigorous, and traceability is non-negotiable.

Insight AI delivered – and the way we delivered is as significant as what we built. The engagement began with a **Rapid AI** prototyping phase, validating ideas in days rather than weeks. **By deploying our AI SDLC – built on our Agentic Solutions approach – we produced a fully functional MVP in 178 days: 6.6× faster than classical delivery, with 61× fewer bugs and an NPS of 10/10.**

Ailys Group now holds a durable first-mover advantage – and Insight AI has demonstrated what enterprise Agentic AI delivery looks like in practice.



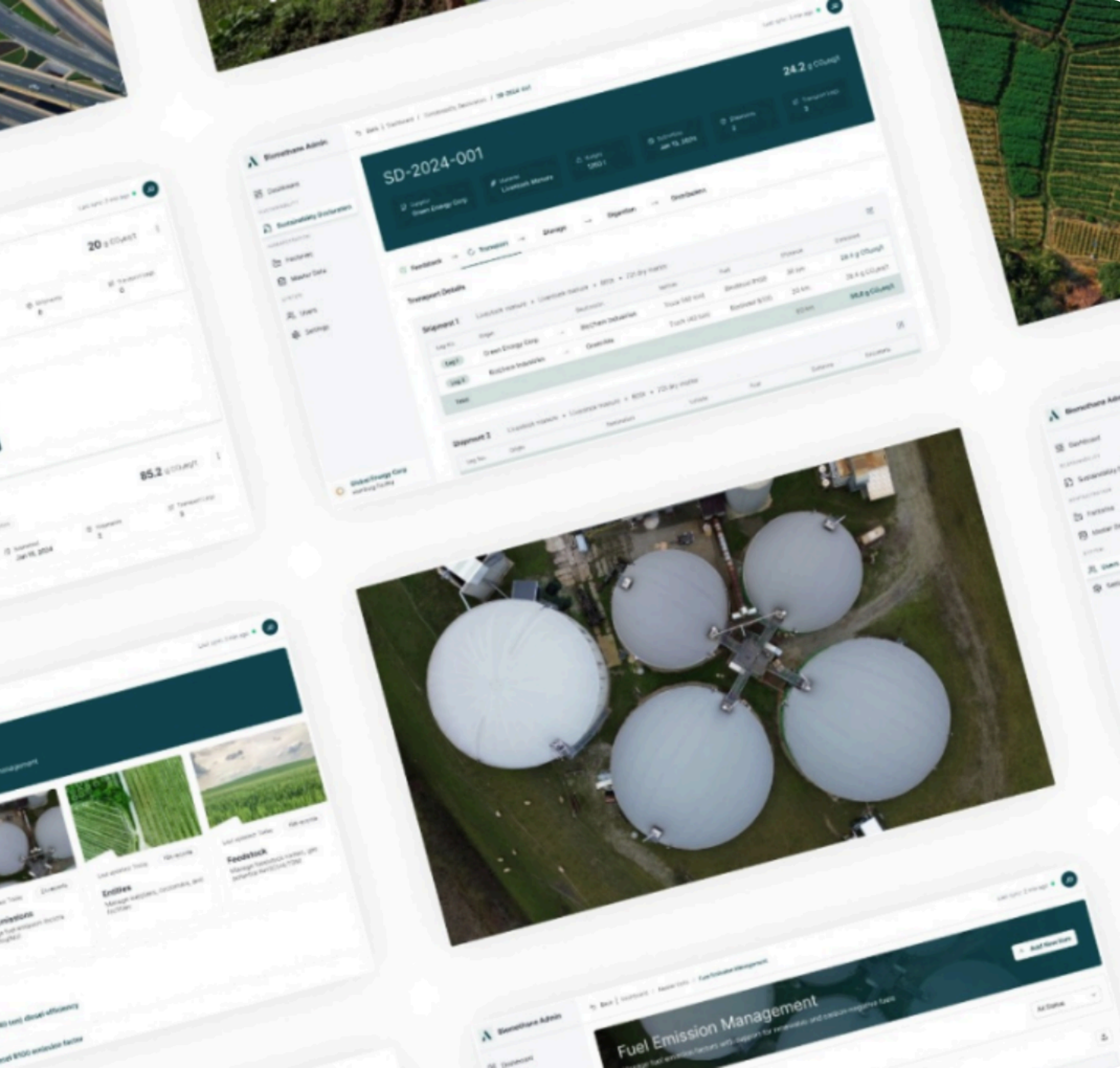
## The Challenge

Ailys Group faced a structural problem that no off-the-shelf software could solve. Biomethane production operates under rigorous EU and local regulatory frameworks, where every stage of feedstock collection, processing, and certification must be fully traceable and audit-ready.

The existing approach relied on manual administration, multi-platform coordination, and fragmented data – creating serious exposure to compliance risk and human error. No single system existed that could manage the full lifecycle: collecting feedstock manure, processing it into biogas, adhering to sustainability standards, and issuing tradeable Proof of Sustainability certificates. The challenge wasn't just building software – it was building it fast enough to matter, in a domain where getting it wrong carries real consequences.







## The Solution

Insight AI proposed something bold: treat the entire delivery lifecycle – not just the product – as the transformation opportunity. This wasn't AI-assisted development. It was Agentic AI: a system where AI operated as an autonomous team member across development, QA, design, business analysis, and delivery management. Agents drafted; senior engineers decided. AI absorbed repetitive generation and testing; humans owned architecture, compliance, and judgment.

The platform itself was built on .NET Core, React, and Azure services including Azure AI Foundry – with an event-driven microservices architecture, micro frontends, multi-tenancy, and hierarchical RBAC. Immutable audit trails were built in from day one, ensuring compliance readiness at every layer. The result: a market-first platform purpose-built for biomethane sustainability that no competitor can replicate.

## Results

In 178 days, Insight AI delivered a fully functional MVP – 6.6x faster than classical delivery models. Development speed increased 5.7x, rework dropped 3.4x, reported bugs fell by 61x. The team delivered 9x more code per month while maintaining quality. The client awarded a perfect NPS of 10/10.

Ailys Group can now manage, verify, and document the full feedstock procurement and sustainability compliance lifecycle in a single auditable system. Manual processes are consolidated. Administrative burden is sharply reduced. Collaboration across producers, suppliers, auditors, and plant operators is streamlined. Ailys Group enters the market as the only provider of a comprehensive biomethane sustainability platform – a durable competitive advantage, delivered in under six months.

**6.6x**

faster delivery

**61x**

fewer bugs

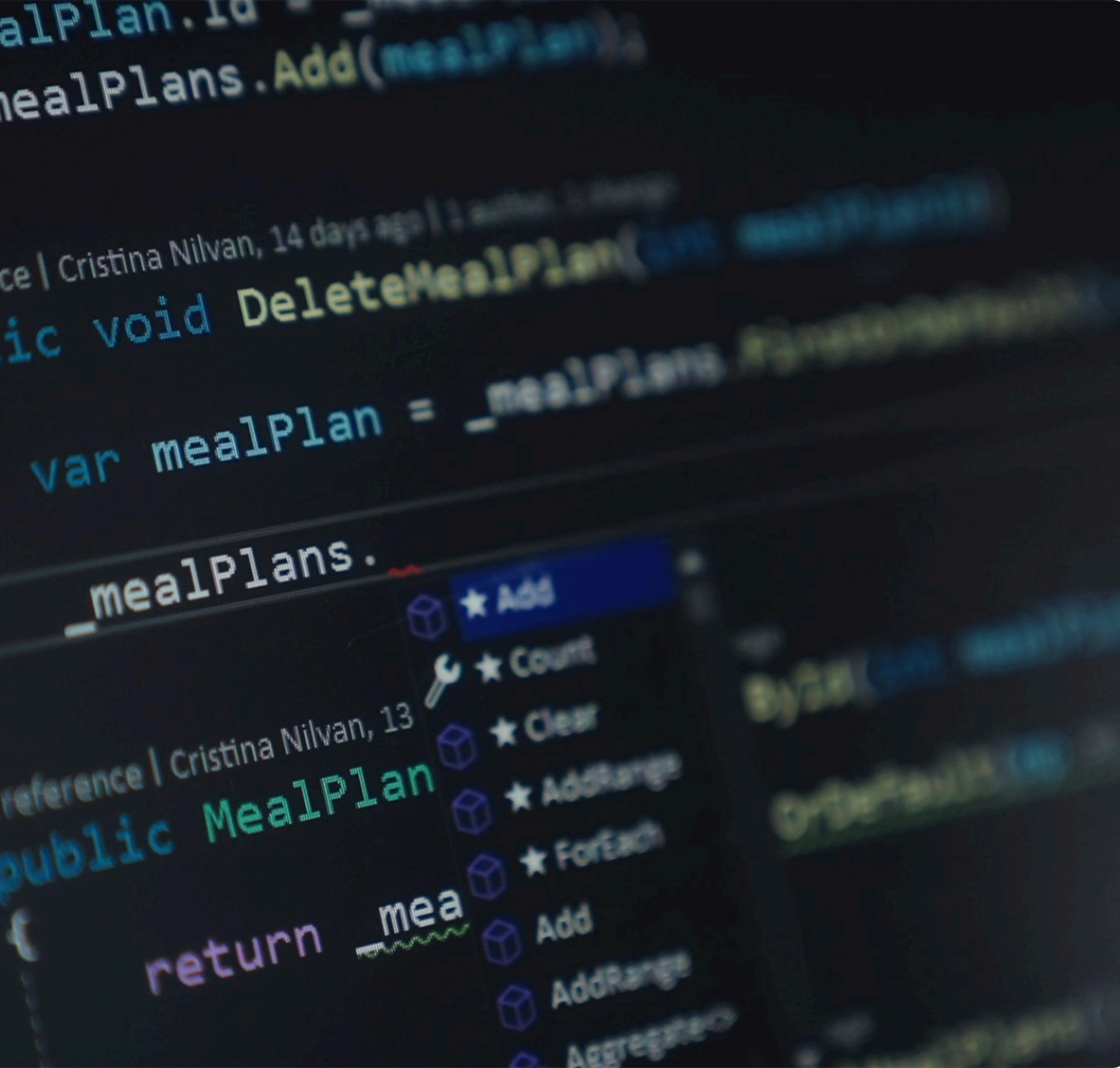
**5.7x**

increase in development speed

**178 days**

from kickoff to fully functioning MVP





## Technical Highlights

The solution was built on .NET Core, React, and Azure services, with Azure AI Foundry powering the AI layer. An event-driven microservices architecture with micro frontends supported multi-tenancy and hierarchical RBAC for secure data isolation across all user roles. Immutable audit trails ensured continuous compliance readiness.

Development followed an AI-driven SDLC methodology using a Kanban board, enabling rapid iteration.

Personalised AI agents were deployed for distinct roles – developer, QA, BA, designer – each operating with full project context. QA automation directly contributed to 61% fewer reported bugs. Design prototypes moved from prompt to validated output in one to two days using tools including Lovable and Figma Make. The team operated in focused one-week sprints – a structure made possible only because AI was absorbing the volume that would otherwise require significantly more people and time.



## Why Insight AI?

We were chosen because we offered a transformation model: the Agentic AI capability we brought to Ailys Group is the same capability we used to build it. Our **AI SDLC** – where autonomous agents operate across every delivery function – was itself built using our **Agentic Solutions** practice. We developed it ourselves and deployed it here.

Every function on the engagement was reimaged around that model. The results were structural: 6.6× faster delivery, an NPS of 10, and a market-first platform in 178 days. Three distinct offerings, **Rapid AI**, **AI SDLC**, and **Agentic Solutions**, take clients from idea to production at a pace classical delivery cannot match.





**Thank you  
for reading**

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