Improved Value Delivery Through Cross-Domain Data Product Reuse for European Insurer

The challenge of siloed data development

A large European insurer faced the challenge that historically, data was prepared for and provided to one use case, typically leading to duplication and siloed solutions. No systematic approach existed to identify shared data needs across domains, resulting in high development and maintenance costs due to lack of reuse and fragmented processes. Teams across different domains were building similar data pipelines independently, creating redundant work and multiplying technical debt.

Breaking free from the one-to-one model

The traditional approach of building data products for single use cases had created an unsustainable situation. Each new use case required building data pipelines from scratch, even when similar data requirements existed elsewhere in the organization. Without visibility into what other teams needed or what data products already existed, collaboration was impossible and costs continued to climb.

This fragmented approach not only increased development and maintenance costs but also slowed down time-to-value for new initiatives. Teams spent valuable time recreating data assets that had already been built elsewhere, while opportunities for cross-domain synergies remained hidden.

These challenges highlighted the need for a fundamental shift in how the organization approached data product development, moving from siloed, single-use solutions to reusable, cross-domain data products that could serve multiple use cases efficiently.

Transforming data operations with Mindfuel

The organization implemented Mindfuel as the foundation for their transformation to a reusable data product model. They started by defining a data domain architecture and collecting use cases across domains to map common data demands. This comprehensive view revealed patterns in data needs that had previously been invisible, showing where shared data products could deliver the most value.

With this transparency, they shifted to building reusable, cross-domain data products designed for scalability and cost-efficiency across use cases. Rather than developing data assets for individual use cases, teams now focused on creating robust, multi-purpose data products that could serve multiple domains.

Mindfuel played a critical role in guiding teams through the new operating model, reducing friction and supporting adoption of the new processes. The platform provided the structure and visibility needed to identify reuse opportunities during planning, connect teams with shared needs, and track which data products served which use cases.

A key element of the transformation was establishing a value mindset, with Mindfuel clearly showing which data assets serve multiple cross-domain use cases. This transparency made the business case for reusable data products evident to all stakeholders and helped prioritize development efforts based on cross-domain impact.

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> *Mindfuel has fundamentally changed how we think about data products. We've moved from building for single use cases to creating reusable assets that deliver value across the entire organization.*
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> **Data Platform Leader, Large European Insurer**

Impact across the organization

The implementation of Mindfuel delivered transformative results that reshaped the organization's data operations.

Increased reuse of data products: The organization successfully transitioned from "one product per use case" to multi-use, domain-spanning products. Data products now serve multiple use cases across different domains, maximizing the return on development investment.

Significant gains in development efficiency: By eliminating redundant pipelines and consolidating around reusable data products, the organization achieves significant gains in development efficiency while lowering long-term maintenance costs. Teams no longer waste time recreating similar solutions.

Reduced time-to-value: New use cases could now leverage existing reusable data assets instead of building from scratch, dramatically reducing time-to-value. What previously required months of data engineering could now be accomplished in weeks or even days.

Smoother transformation and higher adoption: The new data operating model achieves higher adoption thanks to Mindfuel supporting teams through the transformation. The platform reduces friction by making the process clear, showing the value of reuse, and connecting teams with shared needs.

The organization's success story demonstrates how Mindfuel can drive a fundamental shift from siloed data development to strategic, reusable data products. By providing the visibility, structure, and guidance needed to identify cross-domain opportunities, Mindfuel has enabled them to build a more efficient, scalable, and value-driven data ecosystem.

If you're ready to transform your approach to data products and unlock cross-domain reuse, reach out to us and discover how Mindfuel can guide your journey.