



# Future-Proof Analytics Platform for PERI

Cloud-Based Lakehouse on Microsoft Fabric and Databricks Accelerates Insights and Data-Driven Decisions




## Project at a Glance

For more than 55 years, PERI has been an international innovation leader in formwork and scaffolding systems and a pioneer in 3D concrete printing. Together with b.telligent, PERI modernized its analytics landscape. Based on Microsoft Fabric, Azure Databricks, and Power BI, a cloud-native Lakehouse architecture was implemented that provides globally consistent data, enables self-service analytics, and delivers reliable insights to business units significantly faster. At the same time, the foundation for advanced analytics and AI use cases was established.

 Germany, Construction

 Large Enterprise

 18+ months

  Microsoft Fabric  databricks

## Highlights

- **Faster Time to Insight:**  
Analyses and reports are available significantly faster, almost in real time.
- **Scalable Lakehouse Architecture:**  
Cloud-native platform as the foundation for growth, advanced analytics, and AI.
- **Self-Service With Governance:**  
Business units access curated data in a high-performance, controlled manner.

## Challenge

As PERI expanded internationally, requirements for data availability, transparency, and speed increased significantly. The existing SAP BW on HANA architecture was on-premises, maintenance-intensive, and only partially scalable. Modern

analytics, self-service, and AI scenarios required considerable effort to implement. Business units demanded faster access to reliable data, while IT and BI needed a future-proof platform combining performance, governance, and flexibility.





Together with b.telligent, we successfully implemented Microsoft Fabric and Azure Databricks, enabling unified data engineering and reporting through Power BI.

The platform also opened new opportunities for data science and real-time intelligence, driving faster insights and smarter decision-making.



**Mathias Prähofer**  
Head of Data Partners  
at PERI SE

## Solution

Together with PERI, b.telligent designed a Lakehouse-first architecture based on Microsoft Fabric and Azure Databricks.

Enterprise data is centrally stored in OneLake using open formats and processed through a structured Medallion architecture.

Azure Databricks handles integration and transformation, while Power BI enables high-performance self-service via Direct Lake.

Modern engineering standards such as CI/CD and Infrastructure as Code ensure stable and sustainable operations.

## Success

With the new analytics platform, PERI now benefits from a unified, scalable, and future-proof data foundation. Analyses can be created faster, extended flexibly, and used globally. Business units work more independently with up-to-date data, while governance and performance are centrally ensured. At the same time, the platform forms the basis for advanced analytics and AI-driven use cases. PERI shortens decision-making paths, increases transparency, and sustainably strengthens its data-driven corporate management.



## Looking for Support With Your Data Challenges?

Contact us for a first, non-binding consultation.

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## Curious To Learn More?

Discover the full success story — right here.

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b.telligent is a technology-independent consultancy specializing in optimizing digital and data-driven business processes, as well as customer and supplier relationships. More than 400 employees work across nine locations in Germany, Austria, Romania, and Switzerland, serving over 500 clients.