Manufacturer builds solid foundation for analytics automation

Client
A manufacturing company

Company Size
200+ employees

Featured Partners

Microsoft

A global manufacturer specializing in stainless-steel pipe and tube products was eager to scale its use of analytics and intelligent automation. However, its ability to execute was hampered by siloed systems, poor data quality, and a lack of strategic alignment. To address this, the company partnered with Marlabs to assess its current state, define a future vision, and create a roadmap for data maturity and governance.

Marlabs delivered a structured, phased approach that aligned business and IT, clarified priorities, and laid the groundwork for governance and automation. The engagement positioned the organization to move forward with greater speed, confidence, and value from its data.

Data Strategy & Roadmap

Data Governance

Data Architecture

Analytics Enablement

The Challenge: Lack of alignment hindering analytics and automation possibilities

Objective: Advance enterprise analytics and intelligent automation through data modernization.

Existing Issues: Siloed systems and unreliable data created barriers to visibility and insight.

Solution Needed: A roadmap and governance strategy to align priorities and support scalable analytics.

Outcome: A clear path forward enabled collaboration and improved reporting and readiness for automation.

The manufacturer recognized that analytics and automation were vital to achieving business goals but lacked the foundational data practices to support progress. Without clear visibility, data trust, or strategic focus, the organization struggled to generate consistent value from its data investments.

The Solution: A phased approach to build a data-driven foundation

To support the client's long-term analytics and automation goals, Marlabs implemented a tailored, three-phase solution. This approach aligned data capabilities with business objectives, established governance, and prioritized actions based on value and readiness. The result was a solid data foundation and a sustainable strategy for intelligent automation.

Phase 1: Current State Assessment & Visioning

The team conducted stakeholder interviews and reviewed existing systems to uncover pain points, maturity gaps, and strategic opportunities.

Workstreams:

- Stakeholder engagement
- Capability assessment
- Pain point discovery
- Vision definition

Phase 2: Roadmap Development & Prioritization

Marlabs created a strategic, value-driven roadmap that included governance and architecture recommendations aligned to business needs.

Workstreams:

- Initiative prioritization
- Roadmap creation
- Governance planning
- Architecture alignment

Phase 3: Enablement Strategy & Long-Term Planning

The final phase outlined next steps for execution and embedded enablement principles to ensure adoption and long-term impact.

Workstreams:

- Strategy documentation
- Enablement planning
- Execution support
- Success metrics definition

Services and Technologies Used:

Services:

- Data Strategy & Roadmap Development
- Data Governance
- Data Architecture
- Analytics Enablement

Technologies:

- Power BI
- SQL Server
- Paycom
- Microsoft Dynamics NAV

The Results: Impact on the client organization

The partnership helped the manufacturer lay a strong foundation for enterprise analytics and intelligent automation. Marlabs' structured approach provided clarity, improved confidence in reporting, and ensured the client could move forward with scalable and trustworthy data practices. This engagement highlighted the importance of enabling governance and strategy before diving into automation.

Improved Reporting Efficiency: This initiative reduced time and effort required for monthly and operational reporting cycles.

Increased Readiness for Automation: We built a roadmap that supports future intelligent automation initiatives.

Enhanced Data Governance: We established a framework to manage data quality and stewardship across departments.

Strategic IT Modernization: The Marlabs team provided a clear, actionable path to modernize architecture and toolsets.

Enterprise Alignment on Data Goals: Through this work, we created shared understanding and commitment across business and IT leaders.

Greater Confidence in Data: Through better quality and visibility, we enabled data-driven decision-making.