

Industrial Products

Building a base for **intelligent** **operations**

Mining equipment manufacturer

A major mining equipment manufacturer works with Lenovo Professional Services to establish a rock-solid data governance foundation that supports its deep digital transformation.



Lenovo

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Who is the client?

From humble origins in China, this company has grown into a leading global coal mining technology and equipment supplier. Its products include fully mechanized coal mining hydraulic supports, scraper conveyors and their parts, as well as intelligent mining control systems. The company maintains tightly integrated operations, covering everything from research and development to production, sales, and service.

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The Challenge

In recent years, this mining equipment manufacturer has been making a push to fully digitize its business, connecting the physical world of engineering and production with digital data and systems. The aim? To drive highly automated and integrated processes across the entire manufacturing chain, and to turn mountains of machine, sensor, and enterprise data into actionable intelligence.

However, there was a huge obstacle standing in the way of the company's ambitions: its data foundation. The manufacturer relied on multiple, disjointed platforms to store and manage data. It also lacked a common data governance structure. This left the company without the reliable foundation of data that it needed to take the next steps towards integrated, intelligent operations.



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“Our biggest challenge was a lack of harmonization around data: we had information in multiple formats residing in separate systems, and no consistent way of ensuring its availability, quality, and governance. We knew that we could not press ahead with much-needed digital transformation until these shortcomings were addressed.”

Spokesperson

Mining equipment manufacturer

A new data strategy takes shape

The manufacturer engaged a team from Lenovo Professional Services to help it put together a fresh data architecture, data governance strategy, and group-level data management strategy. With this high-level plan in place, the company's next step was to establish a new data management organization, responsible for setting and maintaining unified data governance rules and standards.

Next, the company worked to establish a common data middle layer. This unifies data storage, extract, transform, and load (ETL) processes, data mining, analysis and querying.

Services

Lenovo Professional Services

Evolving information management

Drawing on data planning and management best practices from Lenovo PCCW Solutions – a technology solutions joint venture of Lenovo and PCCW – the project team set up a master data management practice, master data coding library, and master data application system. Together, these act as a single source of truth for all enterprise data, with unified data specifications and centralized services for data access, governance, and security.



“The collaboration with Lenovo has been excellent. They helped us put together a very comprehensive strategy, plus strong standards and systems for data management, which are helping us move closer to our vision of intelligent digital operations.”

Spokesperson

Mining equipment manufacturer

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Results

The mining equipment manufacturer has established a single source of reliable, properly governed data for operations and analytics. Robust data governance standards, rules, and controls mean that teams across the business can improve the speed and accuracy of both day-to-day work and decision-making.

Effective data management also acts as a catalyst for the company's digital transformation plans. Now, it can realize the full value of its data – using data-enabled processes and insights to lift manufacturing performance, production output, and product quality to new levels.

- ✓ Gained a single source of truth and harmonized data management
- ✓ Provides the foundation for intelligent automation and digitalization
- ✓ Greater agility to meet changing business needs and market conditions



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“Lenovo has helped us evolve into a data-enabled business. We can now fully capitalize on our wealth of information to reduce costs and increase efficiency while dramatically improving management response speed.”

Spokesperson

Mining equipment manufacturer

Why **Lenovo**?

The mining equipment manufacturer was already well aware of Lenovo's reputation as a leading technology provider. The Lenovo team was able to demonstrate that, in partnership with Lenovo PCCW Solutions, it could bring targeted manufacturing industry experience, as well as extensive data management expertise, within a comprehensive set of services from planning to deployment.



How do you make manufacturing fit for the future?

Lenovo helps a mining equipment manufacturer take control of its data and evolve towards intelligent operations.

[Explore Lenovo services](#)