

Whitepaper Mira DCM Suite by CatX

Inhalte

- 1 About CatX
- 2 Why the MIRA DCM-Suite von CatX?
- 3 Our product offering
- 4 Conclusion



1. About CatX

CatX GmbH is a SaaS company founded in 2023. Since 2024, we have been offering the MIRA DCM Suite (Demand and Capacity Management) for parts suppliers in the automotive supply chain. We combine our passion for innovation with the extensive industry experience of our employees. Our network of consolidated expertise enables us to offer the best possible exchange of demand and capacity data along the automotive supply chain.



1.1. Our values?

We live collaboration. Collaboration and transparency are not only crucial for robust supply chains but also the foundation for trust. With our solutions, we bring customers and suppliers closer together. This collaborative mindset is something we live every day in our interactions with customers, implementation partners, and our team.

Technological excellence. We understand the dynamic challenges faced by automotive suppliers in the industry. High volatility of order calls, cost pressure, and employee turnover define daily operations. In response, we offer state-of-the-art solutions: cloud-native instead of on-premises, intuitive user interfaces instead of complicated training.

Continuous improvement. We live the Lean Management principle every day through agile product development. Through the Software-as-a-Service model, our users always have access to the latest features and functionalities. We maintain a similar approach within our team: through regular retrospectives and training, we continually develop ourselves.

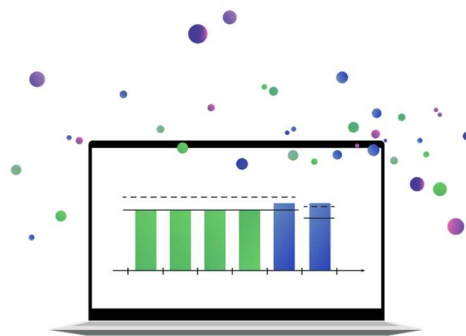
From the industry – for the industry. Our team has decades of experience in the automotive industry. In hundreds of projects with OEMs and Tier-n suppliers, we have repeatedly demonstrated our expertise in procurement, logistics, supplier management, production, as well as quality and tool management.

2. Why the MIRA DCM-Suite by CatX?

What is the MIRA DCM Suite and what problems does it solve? We answer these questions for you here!

2.1. What is DCM?

Demand and Capacity Management (DCM) is a strategic process aimed at efficiently managing the demand for products or services and optimally planning the necessary resources. By analysing market data and trends, DCM enables companies to predict future requirements and respond flexibly to changes in demand. This allows companies to maximize resource utilization, reduce costs, and increase customer satisfaction, while also better managing risks.



2.2. Why is DCM relevant right now?

With the increasing complexity of supply chains and the impact of various global and local crises, companies in the automotive industry—both small and large—are facing significant challenges. They are confronted with an increased risk of disruptions, bullwhip effects, and even temporary production stoppages, which result in high costs and a tremendous amount of rescheduling effort.

In today's volatile environment, often tailored, manual IT solutions support demand and capacity management processes. This leads to a lack of shared understanding of the processes and increases complexity due to different data formats and interfaces. The result is transmission issues, inconsistencies, or even data losses.

For companies in the automotive market, this means they lack full transparency over the demand data of their customers – a foundation that is essential for precise production and delivery planning. Over- and under-coverage are often only recognized late, leading to significant cost increases.

2.3. Overview of MIRA

Why DCM is a relevant topic has now been clarified. But why exactly MIRA?

2.4. What is our goal for our customers?

For our customers, we have two central goals that are aligned with the challenges and needs of the automotive industry:

Maximum delivery reliability: In an industry where reliability is crucial, the MIRA DCM Suite enables proactive responses to changes through extended planning horizons and continuously updated demand and capacity figures. By reacting early to potential bottlenecks or changes in demand, we

not only ensure delivery reliability but also increase customer satisfaction and loyalty. Being a reliable partner that can always deliver on time is essential in today's competitive landscape.

Minimal costs: Cost efficiency is of the utmost importance for any company. Our solution increases transparency throughout the process, preventing overproduction and minimizing unnecessary costs for labour, materials, and storage. Additionally, by providing more accurate demand forecasts, we avoid under-coverage, which can often lead to costly express shipments or even penalties. The savings achieved through these measures not only strengthen our customers' competitiveness but also contribute to improving their margins.

The added value? With the MIRA DCM Suite, we create a more robust and accurate capacity planning system that enables companies to optimize their resources while remaining flexible to market developments.

2.5. What makes MIRA special?

Our SaaS solution is specifically designed for small and medium-sized enterprises in the automotive industry. We understand the unique challenges these companies face and have developed a solution that helps them succeed.

The MIRA DCM Suite fosters collaboration between customers and suppliers in the joint capacity management process. This not only allows for early identification of potential bottlenecks and overcapacity but also improves the monitoring and control of resources and assets. More efficient decision-making during conflicts becomes the norm, ultimately leading to faster problem resolution.

Our approach to collaboration is based on four key principles:

Power of Standard: Standards and norms create trust and efficiency. They allow our customers to rely on proven practices and technologies, rather than considering expensive and time-consuming in-house developments.

Data Sovereignty in Focus: We believe that all participants in the supply chain should maintain full control over their own data. With the Eclipse Dataspace Connector, we ensure secure and transparent data exchange that preserves privacy and data integrity.

Interoperability at Its Best: By creating cross-company standards for processes and data, we promote a collaborative approach that benefits both customers and suppliers. This interoperability reduces misunderstandings and encourages more efficient collaboration.

Collaboration is Key: We believe that strong partnerships between customers and suppliers are essential for success. More efficient collaboration not only benefits both sides but also provides a clear competitive advantage.

In addition, we use the Catena-X Data Space for standardized, self-determined, and interoperable capacity and demand management in the automotive supply chain. The CX-0128 standard, version 2.0.0, defines the four data models and data exchange protocols that ensure an efficient DCM process. A summary of this standard is available on our website to help you get started.

Furthermore, we place particular emphasis on easy and fast setup, reliability, and intuitive operation. These aspects are crucial to enable a smooth integration of the MIRA DCM Suite into your business operations so that you can quickly benefit from its advantages

3. Our product offering

The MIRA DCM Suite is available in three different package options. Each of our three packages includes all core functions to model the DCM process. The following functions are included in every version for the central modelling of the DCM process:

- Management of your own demand and/or capacity data directly in the system
- Matching of demand and capacity, including for multi-sourcing cases
- In-app communication with supply chain partners
- Real-time notifications of bottlenecks
- Role-specific dashboards and reports
- Plug-and-play capability, including a role-specific admin area

Additionally, the Pro and Enterprise versions offer further features. For instance, the Pro version includes a specially designed Eclipse Dataspace Connector. This is also included in the Enterprise version, which additionally provides interfaces to your ERP system and company-specific features that we tailor precisely to your needs. These features are offered as a SaaS solution with no on-premises operation, including secure cloud storage and comprehensive customer support.

Which of these package options is best suited to your company and its specific needs can be best determined in a non-binding consultation. Feel free to book an appointment via our [website](#), or email your questions to info@catx.services.

3.1. How is MIRA implemented?

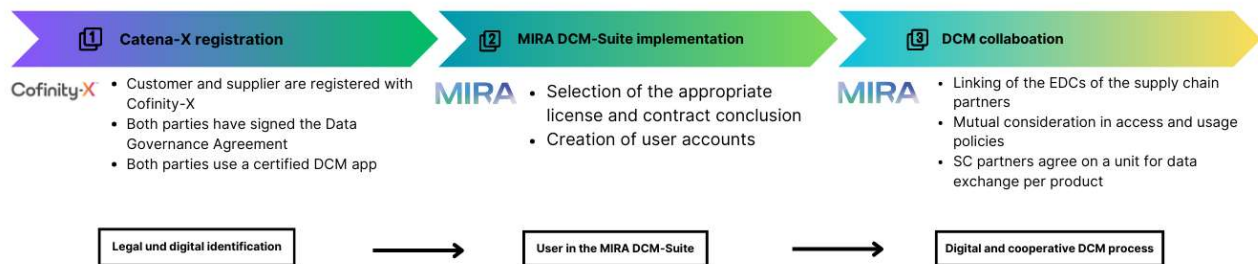
To begin using MIRA for your supply chain, the following steps are necessary:

First, the Catena-X registration. To use MIRA, registration with Cofinity-X is required. This also includes signing the Data Governance Agreement, which ensures the confidential exchange of data according to the requirements of the Catena-X association.

Next, we focus on MIRA. In this step, we determine which of the available packages best suits the needs of your company. Once the appropriate contract is signed, we will jointly create a MIRA user account.

Finally, the process begins. We start by linking the EDCs and supply chain partners. It is important to consider mutual inclusion within access and usage policies. Lastly, supply chain partners agree on a unit for data exchange per product.

Onboarding



Of course, we support you throughout the entire implementation process and are happy to answer any questions you may have afterward. It is important to us that you feel comfortable and secure within our system, which is why we are always open to feedback.

4. Conclusion

The MIRA DCM Suite from CatX is the answer to the current challenges in DCM within the automotive industry. It offers a comprehensive solution that helps companies efficiently manage the demand for products and services while optimally planning the necessary resources.

Especially in times of complex supply chains and increasing risks, robust capacity planning is essential. The MIRA DCM Suite enables the early identification of over- and under-coverage, leading to maximum delivery reliability and significant cost savings. Our SaaS solution promotes collaboration between customers and suppliers, ensuring transparent communication throughout the value chain.

With a clear focus on standardization and data sovereignty, the MIRA DCM Suite provides the foundation for an efficient and resilient supply chain. The various pricing models also offer the flexibility that is crucial for small and medium-sized enterprises.

Overall, the MIRA DCM Suite represents a significant step towards more effective capacity and demand planning. Contact us for more information or to schedule a non-binding consultation!