Qlik

INTEGRATION & ANALYTICS

MINISTÈRE DES ARMÉES

Liberté
Égalité
Fraternité

French Ministry of Armed Forces develops data-centric culture with Qlik® and Qlik Talend® Data Integration

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About the French Ministry of Armed Forces

The French Ministry of Armed Forces (Minarm) is responsible for preparing and implementing France's defense policy. To carry out its various assignments, the ministry's decision-making must be based on reliable data and analysis tools that are both flexible and responsive.

To upgrade and streamline its decision-making tools and offer users more autonomy, Minarm implemented a new platform based on Qlik data analytics and integration. This ambitious project impacts thousands of users in multiple departments and meets needs throughout the ministry.

"Qlik Sense® allows us to centralize and streamline all data projects and rapidly meet the diverse needs of the ministry's different departments."

Muriel Aubry, BI Project Manager

Customer Name
French Ministry of Armed Forces

Industry
Public Sector

Geography
France

Function
Finance, HR, Operations, Supply Chain Management

Challenges
- Streamline and centralize data retrieval and integration tools
- Enhance responsiveness and data quality
- Strengthen data governance

Solution
With Qlik Sense, Qlik Replicate®, and Qlik Talend Data Integration, the French Ministry of Armed Forces boasts a standardized, consistent platform for end-to-end data processing.

Results
- More than 4,000 users and hundreds of applications
- A clear improvement in operational efficiency
- Projects accelerated to rapidly meet business needs
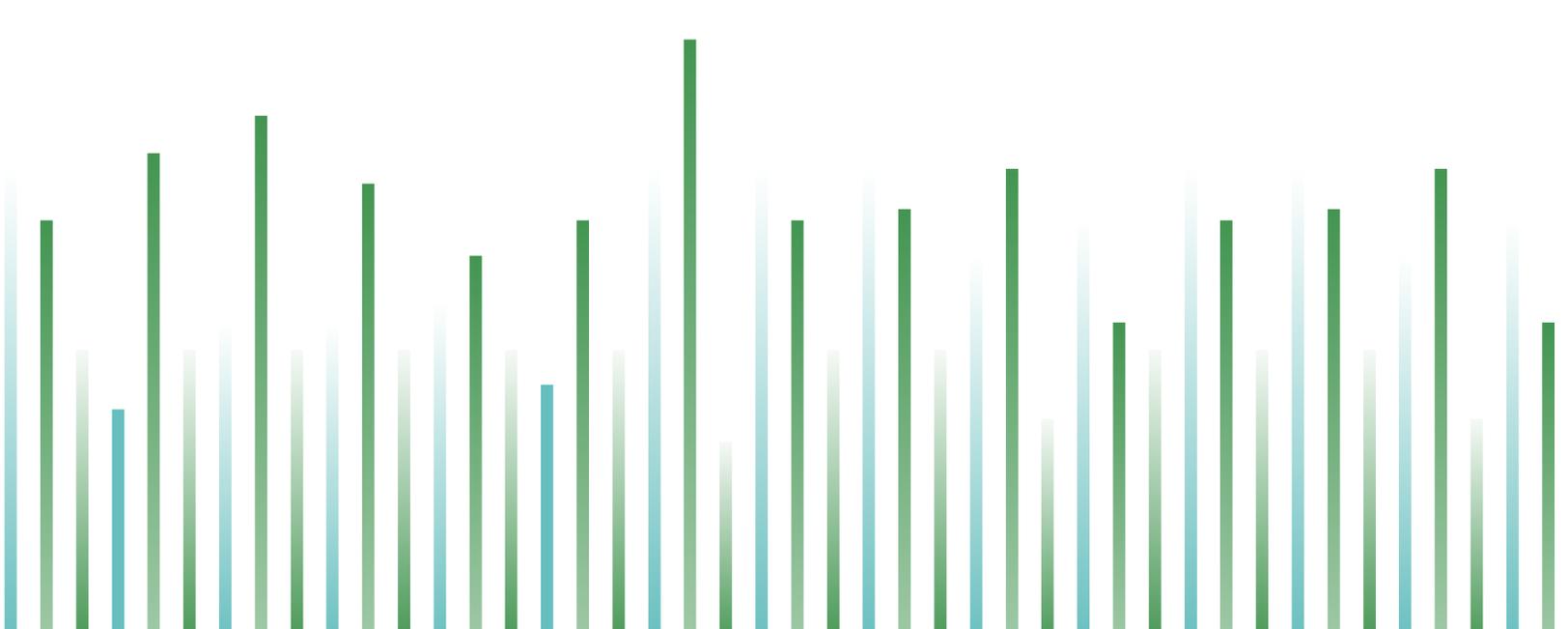- Solid foundation for effective data governance

Meeting the needs of diverse professions

The French Ministry of Armed Forces (Minarm) is responsible for protecting French territory, its population, and national interests, in cooperation with other governmental departments. Minarm is also responsible for the conduct of military operations, the maintenance of equipment, and innovation in the defense sector, while ensuring the armed forces are as up-to-date and efficient as possible.

Developing the ministry's decision-making system was a large-scale project that required significant consideration of the data platform architecture, ensuring it would meet the needs of users in varied roles across the department. In addition to traditional support functions such as HR and finance, Minarm is also responsible for supervising innovation projects, managing the maintenance of military equipment, monitoring supplier contracts, and analyzing complex technical data. It needed decision-making software capable of managing multiple data sources, analyzing large data volumes with excellent performance, and granting users full freedom to define the indicators of analysis that would meet their needs.

After testing Qlik Sense within the Aeronautical Maintenance Department (DMAé), the government department responsible for keeping state aircraft in working order, Muriel Aubry, BI Project Manager, decided to implement Qlik Sense to eventually replace its other BI tools, such as SAP BO and Microsoft Power BI. This centralized platform makes it possible to streamline tools, centralize maintenance, secure data, and manage costs. Nearly 4,000 employees currently use Qlik Sense through hundreds of analytics applications hosted on the platform.

"Qlik Sense allows us to better manage our data while ensuring the security and centralization required for optimal processing. We are therefore contributing to better-informed decision-making thanks to robust data governance," explains Aubry.

Flawless organization to manage all user needs

At Minarm, data projects are organized by a central team and local contacts. The central team, managed by Aubry, is responsible for creating new projects and managing access, in particular, the security rules for accessing Qlik and the data. This team is also responsible for managing platform approval at a central level, in addition to monitoring version upgrades.

In turn, each of the ministry's entities also has local contacts who centralize projects and manage data. These contacts serve as the intermediaries who communicate on the use of Qlik Sense at local level and arrange training for end users, ensuring the tools are used correctly and data analysis processes are optimized.

In parallel, Hermod, a new data transformation platform scheduled for the coming months, will upgrade the existing data warehouse infrastructure, incorporating data replication and transformation with Qlik Replicate and Qlik Talend Data Integration. The platform will migrate numerous existing information centers to a more modern solution, ensuring more rapid data updates and providing departments with greater autonomy. The use of Qlik Replicate will also avoid networks becoming overloaded through change data capture (CDC), migrating only relevant data and responding to analysis needs in real time.

"With Hermod, we have all the data lifecycle management tools with a range of standardized, consistent solutions," adds Fabien Watry, Hermod Operations Manager.

Minarm relied on Qlik to define platform architecture and support departments with developing applications. The ministry was also supported by HeyData, a key partner that provides training and personalized development. This collaboration meant Qlik could be rolled out to entities such as the French Army and Navy, with solutions tailored to meet the specific needs of each.

Several use cases within Minarm

Qlik Talend Data Integration plays a key role in the integration and storage of data within the platform used by the French National Air and Space Academy Digital and Data Center (CNDAAE). CNDAAE was one of the first users of Qlik Talend in France, highlighting the power and reliability of the solution. With its intuitive no-code/low-code mode, Qlik Talend Data Integration supports rapid skills development in users and facilitates data integration and orchestration. The data is then processed to produce dashboards with Qlik Sense and shared across the ministry. The arrival of Qlik Replicate is also welcomed by CNDAAE, as this makes it possible to accelerate data flows and streamline processing tasks.

The Defense Innovation Agency (AID) also uses Qlik Sense to meet cross-functional management requirements for non-standardized data. AID manages approximately 500 projects per year, covering a varied range of subjects, technology, and timeframes, making management a complex task. Before Qlik Sense, monitoring was carried out via Excel spreadsheets, with no real business intelligence approach. Qlik made it possible to implement a centralized application, offering refined and cross-functional project visibility. Different dashboards allow users to monitor project progress, maintain data lineage, and have direct access to sources and archives. Currently, the application is used by 450 people, and a continuous improvement process has been implemented for data quality, ensuring optimized governance and management of reference sources.

Advanced use of all Qlik platform modules

Another use case for Qlik is within the Integrated Structure for the Maintenance of Land Equipment in Operational Condition (SIMMT), which uses Qlik Sense to optimize performance management. In particular, it has developed two flagship applications that allow for accurate and optimized contract monitoring, as well as improved operational efficiency. Using these solutions, SIMMT has demonstrated its expertise in digital transformation and engagement in operational excellence to overcome any in-service support challenges.

The Coordination and Support Center (CICOS) manages complex data that requires rapid processing to meet urgent business needs. With HeyData, CICOS uses Qlik Replicate and its CDC technology to replicate the data in real time in a secure warehouse. This solution, capable of managing multiple sources and destinations, also rebuilds archives, a valuable advantage for decision analysis.

Using Qlik Sense, CICOS also developed several applications for effective management of its EUREKA portal, monitoring requests, analyzing appointments, and measuring user satisfaction. By adding the write-back extension, CICOS is also able to modify or add data in real time, promoting collaborative and interactive analysis. Among other things, this feature makes it possible to create budgets in real time and flexibly manage user rights.

All these projects will continue to develop through this data-centric approach, relying on Qlik's capabilities. Minarm can now therefore overcome any data challenges for improved decision-making.

"Qlik allows us to offer an end-to-end data lifecycle management platform, with a range of integrated solutions," concludes Watry.

Get value from your data with Qlik

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IE-Sep25

About Qlik

Qlik transforms complex data landscapes into actionable insights, driving strategic business outcomes. Serving over 40,000 global customers, our portfolio leverages advanced, enterprise-grade AI/ML and pervasive data quality. We excel in data integration and governance, offering comprehensive solutions that work with diverse data sources. Intuitive and real-time analytics from Qlik uncover hidden patterns, empowering teams to address complex challenges and seize new opportunities. Our AI/ML tools, both practical and scalable, lead to better decisions, faster. As strategic partners, our platform-agnostic technology and expertise make our customers more competitive.

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About HeyData

HeyData relies on solid experience in the development and provision of analytical solutions that add value to businesses. HeyData uses its expertise at every stage of the analytical process to successfully implement innovative solutions that are adopted by users and strengthen the community. A Qlik partner and active member of the community, HeyData has accumulated strong experience and develops assets to accelerate return on investment time and improve efficiency.

heydata.fr