Holograph X HYUNDAI MOBIS

60% Faster Performance:
How Holograph helped Hyundai Mobis transform its Atlassian Ecosystem

Client Overview

Hyundai Mobis is a South Korean global leader in the automotive parts industry & a key player in the Hyundai Motor Group. Established in 1977, the company focuses on the development, manufacturing & supply of automotive components & systems. Hyundai Mobis is renowned for its innovation in automotive technology & is involved in creating cutting-edge solutions that support the growth of the automotive industry.

The company specializes in a wide range of products, including advanced vehicle safety systems, autonomous driving technologies, green mobility solutions, infotainment systems, lighting systems, & electronic modules. Hyundai Mobis is deeply committed to sustainability & environmental stewardship, striving to make significant advancements in eco-friendly automotive solutions such as electric vehicle (EV) parts and systems.

Challenges

Hyundai Mobis faced several challenges with their existing Atlassian setup, which were impacting both operational efficiency and long-term scalability. Some of the key pain points included:

Scaling the System:

The existing system lacked the flexibility to scale effectively as the organization grew, hindering the ability to expand its usage across teams and regions.

Missed Best Practices:

The implementation by their previous Atlassian partner failed to adhere to best practices, resulting in a system that was not optimized for performance, scalability, or usability.

System Performance Issues:

The slow performance of key tools—Jira, Confluence, Bitbucket, and Crowd—was negatively affecting user experience, as well as the ability to generate reports quickly for management. The system's sluggishness made it difficult for users to work efficiently, especially when dealing with large volumes of data.

Redundant Add-ons:

Several add-ons, recommended by the previous supplier, were either unnecessary or underutilized. This led to a bloated system, creating confusion for users who were unaware of the true purpose of these add-ons. We streamlined the add-on ecosystem, removing redundant tools to improve system performance and clarity.

Lack of System Documentation:

There was no documentation outlining the purpose or architecture of the existing Atlassian ecosystem. This lack of clarity made it challenging for Hyundai Mobis to understand how the system was implemented, and left them without insights into how various components were interconnected.

Cross-Platform Collaboration Issues:

Cross-platform collaboration between Hyundai's Indian & Korean teams was problematic. The previous system lacked proper integration, especially for inter-team communication & synchronization. The Exalate Connector for Jira, which we implemented, was not initially configured correctly & the system was neither scalable nor maintainable. Frequent changes to the system would lead to errors, creating a sense of uncertainty & reluctance to make necessary adjustments.

Unnecessary Apache Web Server Setup:

The previous system had Apache Web Server installed solely for SSL purposes, which added unnecessary complexity and overhead to the system architecture.

Inefficient Reporting:

Reports took over 15 minutes to load, severely hampering decision-making and management oversight. The absence of key performance indicators (KPIs) in reports added to the difficulty in tracking progress and performance metrics effectively.

→ Solution Provided by Holograph

We addressed Hyundai Mobis' challenges by delivering a robust, scalable, and highly efficient solution that transformed their Atlassian ecosystem. Here's how we tackled the issues:

1 Tailored Atlassian Ecosystem Architecture:

We proposed & built a customized Atlassian tools ecosystem that prioritized performance, usability, scalability, & maintainability. This architecture was presented to stakeholders & once approved, we began implementing the solution to meet Hyundai Mobis' specific needs.

2 60%+ Performance Improvement:

Post-deployment, system performance saw a remarkable 60%+ improvement. Reports that once took over 15 minutes to load were now accessible in seconds, enabling faster decision-making and enhancing overall productivity.

3 Enhanced Reporting and Refinement:

We implemented refinements that enabled Hyundai Mobis to effectively represent & present information to management. New dashboards & streamlined reports were created, allowing for quick access to critical data & KPIs.

4 Automated Reporting Script:

To improve reporting efficiency, we developed a script that automatically calculated the necessary data for report generation. These reports, used for weekly, monthly, quarterly, and annual meetings, were generated every night, reducing turnaround times (TATs) and ensuring timely delivery of information.

5 Eliminating Redundant Add-ons:

We removed unnecessary add-ons from the system, leading to cost savings and optimizing performance. Existing add-ons were refined and reconfigured according to Atlassian best practices, ensuring a lean and efficient setup.

6 Automation of Manual Tasks:

By automating manual work processes, such as assignments and re-assignments, we significantly reduced administrative burden, boosting team efficiency.

7 Optimized Time Management for Agile Scrum:

Time management, including resource availability & utilization, was a key parameter for Hyundai Mobis to execute their Agile Scrum framework. We implemented solutions that tracked these metrics effectively, improving team productivity and resource management.

8 Atlassian Best Practices:

Throughout the implementation, we ensured Hyundai Mobis was aligned with Atlassian best practices, optimizing their tools for maximum efficiency and long-term success.

**9 In-house Tool Integration:**

We created a customized add-on to integrate with Hyundai Mobis' in-house tools. This integration allowed the system to pull relevant data for validation, improving data accuracy & streamlining workflows for engineers.

10 Skill Matrix Feature:

To help Hyundai Mobis track and manage team capabilities, we developed a Skill Matrix feature. This tool provided valuable insights into the skills available across the organization, helping them manage resource allocation more effectively.

11 Customizable Dashboards and Reports:

New, intuitive dashboards & reports were built to offer Hyundai Mobis' teams the ability to customize their own reporting & track performance metrics. Comprehensive training was provided to stakeholders & end-users, empowering them to build & modify reports on their own.
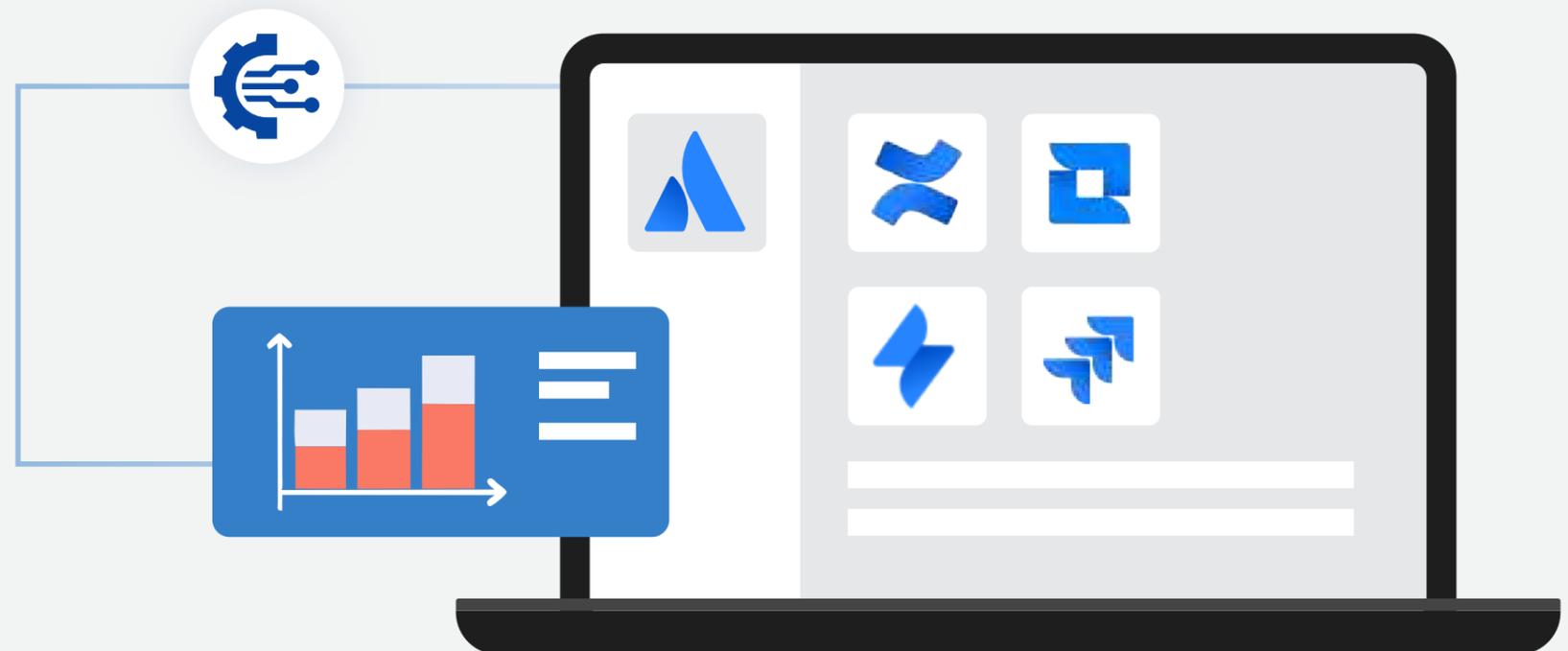
Implementation Process

The implementation of the solution followed a well-structured process using a combination of Scrum and Kanban frameworks to ensure flexibility, efficiency, and alignment with Hyundai Mobis' evolving needs. Here's how the process was executed:
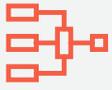
Framework Utilization:

We initially used the Scrum framework to refine the Atlassian ecosystem, focusing on iterating quickly and continuously improving the setup based on stakeholder feedback. After refining the ecosystem, the Kanban framework was introduced for ongoing monitoring and optimization.

Daily Standups & Weekly Stakeholder Meetings:

To maintain clear communication & rapid decision-making, we held daily standups with the internal team & weekly meetings with stakeholders. This ensured that everyone remained aligned and that any issues were quickly addressed.

Project Timeline:

The initial phase focused on redefining the Atlassian ecosystem to ensure it met Hyundai Mobis' specific needs. This phase involved understanding existing challenges & aligning the system with best practices.

The final phase concentrated on automation, usability improvements, & building new dashboards and reports to enhance overall system performance and reporting efficiency.

FIRST 3 MONTHS **NEXT 3 MONTHS** **REMAINING 6 MONTHS**

During this phase, we worked on applying Atlassian best practices across their tools, ensuring optimal configuration and setup, so Hyundai Mobis could leverage their ecosystem to the fullest.
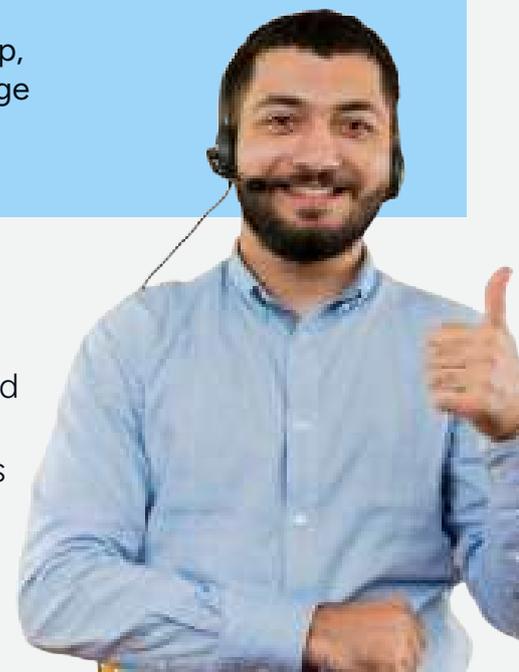
Ongoing Support:

Post-implementation, Hyundai Mobis was provided with yearly support & services to ensure the continued success of the system, including any future refinements, training needs & problem resolution. This ensured they could keep scaling & adapting their Atlassian tools as required.

Results Powered by Holograph

The implementation delivered measurable improvements and positioned Hyundai Mobis for long-term success with their Atlassian ecosystem. Key outcomes include:

- **Streamlined Architecture:**
  The Atlassian tool ecosystem was thoroughly documented, designed, and implemented, creating a scalable and maintainable architecture.

- **Performance Boost:**
  Overall system performance improved by 60%, ensuring smoother operations and faster processing.

- **Enhanced Understanding:**
  Stakeholders, end-users, and management gained a better grasp of the Atlassian ecosystem, improving usability and fostering confidence in the system.

- **Reduced Dependency:**
  Reliance on Atlassian support engineers decreased significantly, empowering internal teams to manage the ecosystem independently.

- **Improved Reporting:**
  Productivity and efficiency in reporting surged, driving greater usability and end-user acceptance of the Atlassian ecosystem.

- **Future-Proofed Scalability:**
  The ecosystem was scaled to align with growth forecasts for the next three years, ensuring it could support Hyundai Mobis' evolving needs.

- **Centralized Access Management:**
  Implementation of SSO for all Atlassian products streamlined user management, enhancing security and simplifying access control.

- **Operational Stability:**
  The Atlassian ecosystem was stabilized, ensuring reliable performance and seamless day-to-day operations.

SIGNIFICANT COST SAVINGS:

$50,000+
saved on license management.

$15,000
annually saved on managed services.

These results not only optimized Hyundai Mobis' current operations but also positioned them for sustainable growth and efficiency in the future.

Holograph's tailored solutions have driven measurable results- let us help your business achieve the same success. Contact our sales team to get started.

Get in Touch: sales@holographtechnologies.com