

Transform automobile company's internal supply chain with seamless

Intranet e-commerce solution

HIGHLIGHTS

Intranet-based E-commerce Site

We develop an Intranet-based E-commerce site for client to provide automobile components for assembly plants

Business Analyst Team

We put the BA team into the project to share expertise and review test evidence to support solving customer problems.

OVERVIEW

Luvina Software undertook a significant project focused on transforming the internal supply chain for one of the leading brands within a major automotive conglomerate. The project aimed to seamlessly integrate e-commerce solutions within their intranet network to facilitate the procurement and supply of essential components to assembly plants.

- **Country:** Japan
- **Service:** Software Development
- **Industry:** Automobile
- **Technology:** Magento, PHP
- **Scale:** 850 man-months, peaking at 200 team members.

ABOUT CLIENT

Our client, an experienced system integration company, secured a crucial contract from a major Japanese automotive manufacturer. Their mission was to provide essential parts to the automaker's assembly plants, necessitating the development of a specialized e-commerce platform to enable seamless transactions within a closed network involving assembly units, suppliers, and transportation partners.

To implement and develop this project, customers expect us to be able to complete main business streams such as:

- | | | |
|--------------------------------|---|--|
| - Feature: Price quotes | - Feature: Send and receive orders | - Feature: Distribution and trade |
| + Create quotes | + Send orders | + Enter warehouse |
| + Respond to quotes | + Receive orders | + Export to warehouse |
| | + Respond to shipping deadlines | |

- System development model: Fully and strictly comply with the waterfall process during system development.

- Process, review management, and checklist are updated periodically after each KPT (Keep - Problem - Try).

CASE STUDY

CHALLENGES

Unique product attributes:

Unlike consumer products, the complexity of automotive parts, including attributes, transaction rules, and international trade considerations, has added to the complexity.

Diverse warehousing activities:

Each auto company has its own laws, requiring meticulous censorship and significant budget allocation for warehousing activities.

Technical barriers:

Typically, the same individual handles both basic design and system testing, but this project requires separate roles, leading to difficulties in synchronization.



SOLUTIONS

To overcome these challenges, Luvina Software has implemented a series of strategic solutions:

Project progress assessment:

We meticulously reviewed the project's progress and made necessary adjustments, allocating additional resources to ensure the project was implemented in a timely manner.

Advanced Business Analysis (BA) Team:

We have invested in upskilling our BA team to better understand unique project needs. Knowledge sharing is prioritized, ensuring that all project members are fully informed.

BA-based test evidence review:

The BA team received comprehensive training to better understand the project's unique requirements. Knowledge sharing was prioritized, ensuring that all team members were well-informed.

ACHIEVEMENTS

- **Successful system release:** We achieved a seamless system release, allowing end users to access and use the platform effectively.
- **Respond to Change:** Luvina Software demonstrates agility by promptly responding to change requests, resolving bugs, and conducting NCCL testing with continuous release frequency.
- **Skill Maturity:** Our team is skill-mature, ensuring effective project execution while adhering to established HR processes.
- **Strong partner relationship:** Throughout the most challenging phases of the project, Luvina Software and our customers maintained a strong and collaborative partnership, which played a key role in our common success.

In summary, our partnership with the Japanese auto manufacturer and system integration company demonstrates Luvina Software's commitment to overcoming challenges, providing innovative solutions, and advancing vision. long-term partnership. Together, we have revolutionized the assembly line, setting new standards in the automotive industry's e-commerce landscape.