

CASE STUDY

PROJECT

Digital Transformation and System Maintenance for Leading Japanese Electric Company

HIGHLIGHTS

01

COBOL LANGUAGE

60 years old programming language Cobol.

02

ELECTRIC INDUSTRY

The electric industry is one of the most critical domains due to its direct effect on the daily lives of Japanese people.

03

QUALITY MANAGEMENT

Deliver the project on time, with high quality and productivity commitment.

04

CUSTOMER'S SATISFACTION

- 14/16 evaluation categories scored 5/5.
- The remaining 2 categories scored 4/5.

OVERVIEW

Luvina Software was entrusted with multiple software development, migration, and maintenance projects to digitally transform a major Japanese electric company's systems. These projects encompassed software systems for service fee collection, electricity bill generation, and more.

- **Country:** Japan
- **Industry:** Power
- **Services:** Development, Testing, Migration, Maintenance
- **Technologies:** COBOL, bash shell, VBA
- **Duration:** 12 months
- **Scale:** 7.5 - 9 man-months
- **Collaboration model:** Offshore Development Center (ODC)

ABOUT CLIENT

Luvina's client is a system integrator specializing in delivering software solutions and IT services to the Japanese electric industry.

They maintain strict quality standards, and procedures, and emphasize security and information safety. They performed thorough evaluations of Luvina before signing a partnership agreement in 2019.

In terms of technical capabilities, personnel, procedures, security, information safety, etc., the client has directly evaluated and examined Luvina Software JSC for over a year via dozens of Luvina's office visits and evaluations in Kawasaki, Hanoi, and Da Nang before signing the partnership agreement in 2019.

CASE STUDY

CHALLENGES

Complexity and Scale: The electric industry's system scale is extensive, with high-security requirements and compliance with unique processes and standards.

Outdated COBOL Technology: The core system was built with COBOL, typically reserved for mainframes and extensive transaction systems.

On-Site Personnel: The project required on-site personnel support.

COBOL EXPERTISE

COBOL is a technology strength of Luvina Software, which has years of expertise executing big software projects in finance, banking, and insurance industries for significant Japanese organizations; thus, Luvina has an edge in terms of people resources. Nowadays, Luvina has close to one hundred in-house COBOL programmers in Hanoi, Da Nang, and Japan who are always available for work.



1

2

STRICT MANAGEMENT METHOD

Regarding quality standards, methods, and quality management in software development, as well as the ability to oversee information security and safety, Luvina Software employs a strict management system, rules, and processes., which are certified by ISO 9001, ISO 27001, and CMMi Level 3. In addition, Luvina possesses premium IT infrastructure to solely serve VIP clients, such as private workplaces. Each project, which has its transmission line and security control system, satisfies the highest client expectations.



TRAINING IN INDUSTRY EXPERTISE

Regarding the electronic industry as well as its processes and system operations per the Customer's unique needs, Luvina **sends a team of qualified engineers to attend training sessions hosted by the client** for several months to fulfill the standards before joining the project.

3

ON-SITE PERSONNEL

SOLUTIONS

4

Regarding on-site personnel, Luvina Software always maintains a considerable number of engineers at Luvina Japan and always has a strategy to anticipate and prepare personnel months in advance to deploy engineers from Vietnam to work in Japan, which is an effort to fulfill client requirements.

ACHIEVEMENTS

Luvina consistently delivered projects on time, meeting the highest quality standards.

A long-term partnership spanning four years by the end of 2022, indicating the client's trust in Luvina's ability to take on increasingly complex projects.

These achievements demonstrate Luvina's capabilities in digital transformation, managing legacy systems, and providing exceptional software services in a critical industry.

