Fujitsu uvance

Offering to streamline software development

Fujitsu Low-code Development Platform

FUJITSU

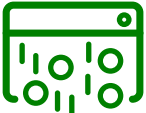### Interest and demand for burgeoning software development

In modern society, there is a rapidly growing interest and demand for software development across various social systems, including transportation systems. In this context, the scope of software development is getting larger and more complex every year, requiring advanced expertise.

In the area of embedded software development, there is a currently a shortage of the skills that are necessary for the development of high-quality and secure software. Companies face the following problems:

Increase in Scale and Complexity	Need for High Level of Expertise	Shortage of skilled labour	Need for Efficient Development Processes
Development, testing, and maintaining embedded software is increasingly challenging as it grow in complexity and scale.	Developing higher quality and more secure embedded software requires specialized in secure programming.	With a shortage of engineers and developers with the necessary skills, companies are struggling to find the right people.	Efficient and rapid development and release of embedded software are required.

Low-code development platform solves development challenges

The low-code development platform addresses the shortage of engineers and resulting issues in embedded software development for IoT devices. We help our customers promote innovation.

Easy operation and maintenance.	Availability and reliability.	Strengthening Human Resources	Development Process Transformation
The functionality and test environment required for software development are already in place, making maintenance support easy	By eliminating human errors and using automated processes, both accelerated development and improved quality are achieved.	It becomes possible to delegate development tasks to team members who may not possess highly specialized coding skills	It minimizing the time required to develop legacy components and significantly reduces the time required to develop valuable services

Fujitsu Low-code Development Platform

Android
Provide HAL and Framework with generic components

SYSTEM APPS | 3rd PARTY APPS
Android Framework API | Car Framework API
Android System Services | Car Services
Traditional Android HALS | Vehicle HAL

IVI system

MBD
Make model development more accessible through support for application generation

Automated Validation

Integrated Model
Code
Utilization of existing assets | rapid design verification

CAN Communication
Generate design documents, code, and test environments with easy configuration

Advanced Settings Using GUI Tools

Application
Runtime Environment
BSW
Os | System | Com | Security (Crypto) | Xcp | Diag
EcuM | COM | Csm | Ccp | Dem
SchM | PDUR | CryIf | | Dcm
BswM | SecOC | Crypto |
ComM | CanNM |
| CanIf |
MCAL

Generating an automated test environment

Edge AI
Provides development environments and software components for AI solutions

image recognition

DevOps Environment

CI tools	execution trigger	Tool execution Plug-in (FJ's IP)	development tools	Data conversion Plug-in (FJ's IP)	External Tools
GitLab			Bld Test Analysis		QlikQ
Azure DevOp			統合開発環境CS+ TEST coverity		Qlik Sence
GitHub			Green Hills JUnit Agile+ Relief		Teams
			GCC GAIO QAC pytest		micro TRACER

CI/CD Platform

Buld → static analysis → Test → Packaging → deployment/release

Automatic Process Execution/Automatic Validation Flow

project002 | project001
ビルドエラー一覧 1 | ビルドエラー一覧 0
ビルド成功数 222 | ビルド成功数 21
静的解析指摘数 245 | 静的解析指摘数 322

Dashboard

- Process Automation
- Quality status visualization

Beyond the basic model, we build the environment according to the tools you need

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Features and Fujitsu Expertise

Leveraging Existing Systems
We provide plugins designed with the concepts of 'automation' and 'leveraging existing assets' in mind, ensuring effortless integration with current systems.

Versatility
It is suitable for use in mass production development, as well as in Proof of Concept (PoC) projects where speed is a prioritized, and it can also be used as training material for reskilling.

Experience and Expertise
Leveraging our extensive experience and expertise gained from years of embedded software development with numerous customers, we provide a development environment that enables efficient development.

Fujitsu Limited