



Legacy Modernization Testing Service Offering

2025



LEGACY MODERNIZATION OBJECTIVES



IT systems face issues including old technology, huge and complex systems, and black boxes that are hard to manage and grow businesses.

Legacy Modernization Objective

Objective 1: Business Agility

- **Challenge:** Environments lack quick response capability
- **Impact:** Changes are costly, time-consuming, and prevent rapid business adaptation



- **Core business enhancement:** Develop infrastructure supporting smooth business expansion

Objective 2: Operational Efficiency

- **Challenge:** Operations and maintenance requirements
- **Impact:** Excessive recovery time and manual routine tasks that resist automation



- **Productivity enhancement:** Increase efficiency for complex system management
- **Business improvement:** Implement management and processing enhancements

Objective 3: Cost Optimization

- **Challenge:** Performance and cost efficiency
- **Impact:** Hardware limitations lead to high license fees and operational inefficiencies, creating a continuous cycle of suboptimal performance



- **Productivity enhancement:** Increase efficiency for complex system management
- **Business improvement:** Implement management and processing enhancements

1. Legacy Modernization Areas



1. Mainframe Migration

COBOL
↓
Java/C#

COBOL/PLI/Assembler
↓
OpenCOBOL
(Open Platform)

RPG
↓
Java

Assembler
↓
COBOL/PL1

2. Database Migration

**DB2/Sybase/
Oracle**
↓
PostgreSQL

データベースアップグレード
(SQL, Oracle, MySQL, DB2)

Oracle
↓
PostgreSQL

Tree/NDD
↓
Mongo DB

3. Open Migration

Java/Framework
Upgrade

Struts/JSF
↓
Spring

VB Migration

Flash/Flex
↓
HTML5

4. Groupware Migration

SharePoint
(On-Premise)
↓
SharePoint Online

Lotus Notes
Migration

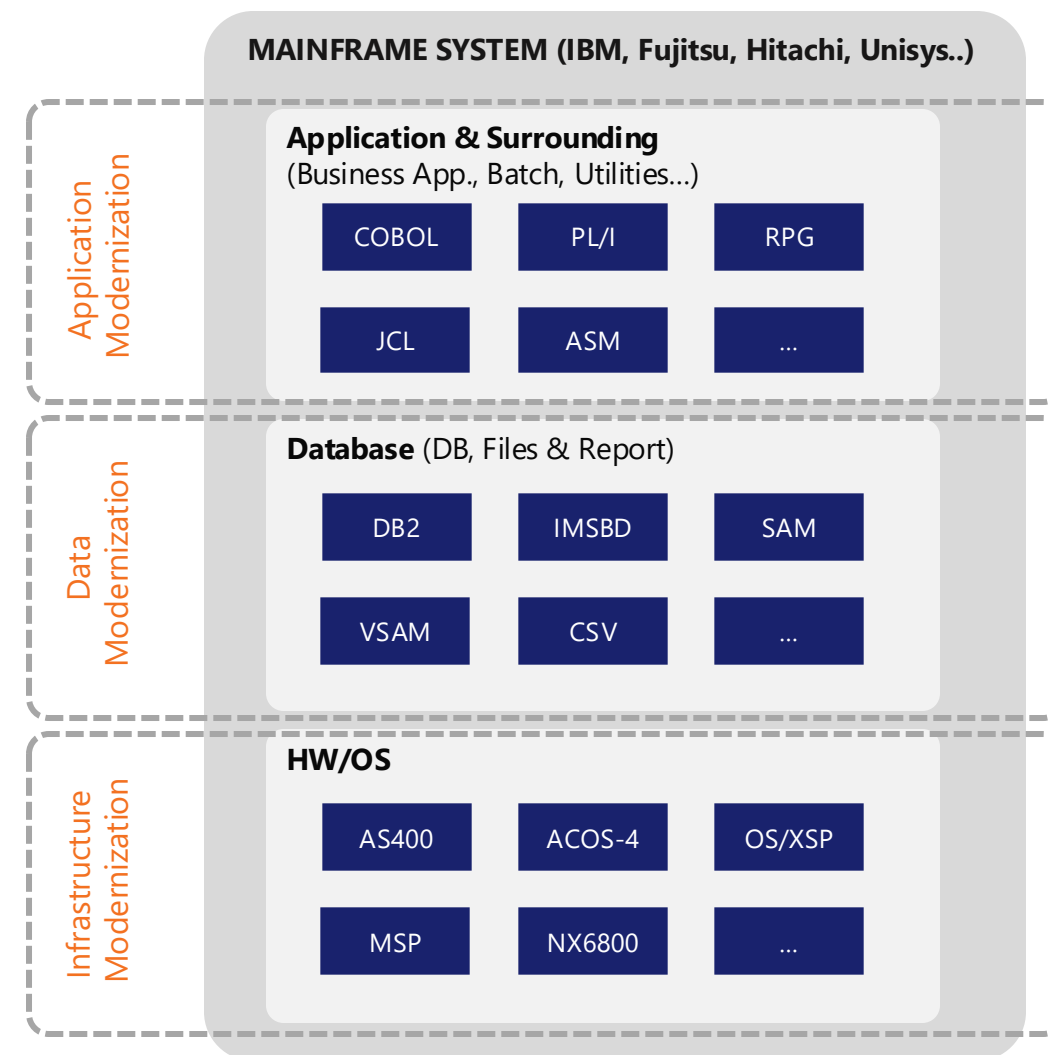
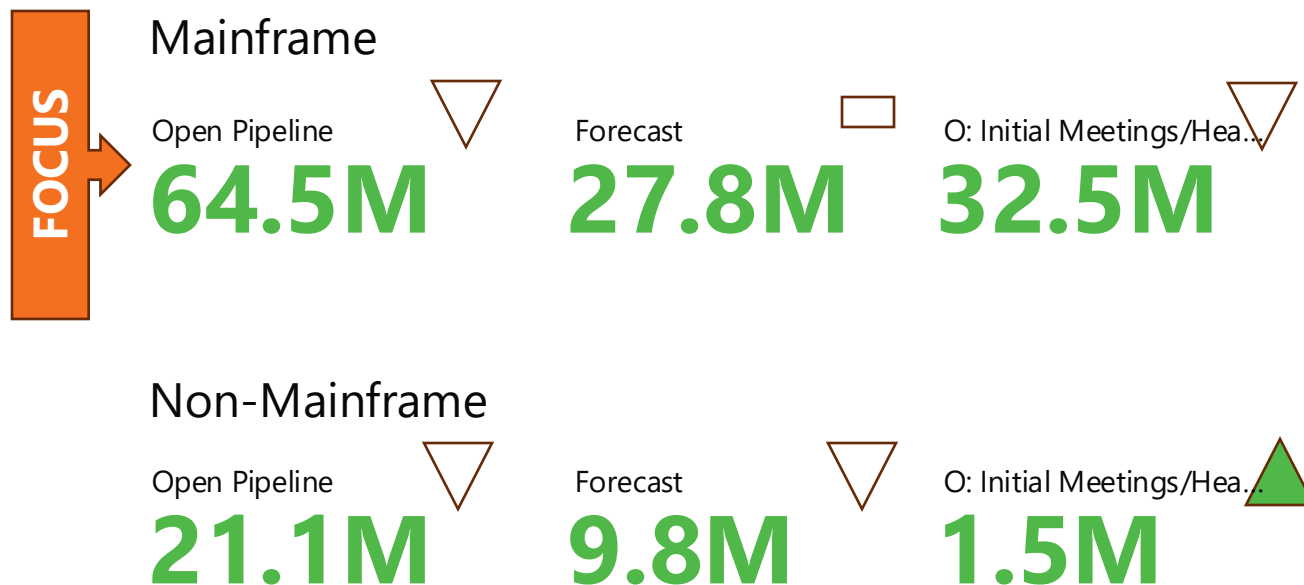
Google Suite
Migration

Cybozu
Migraion

1. Pipeline & Business Development

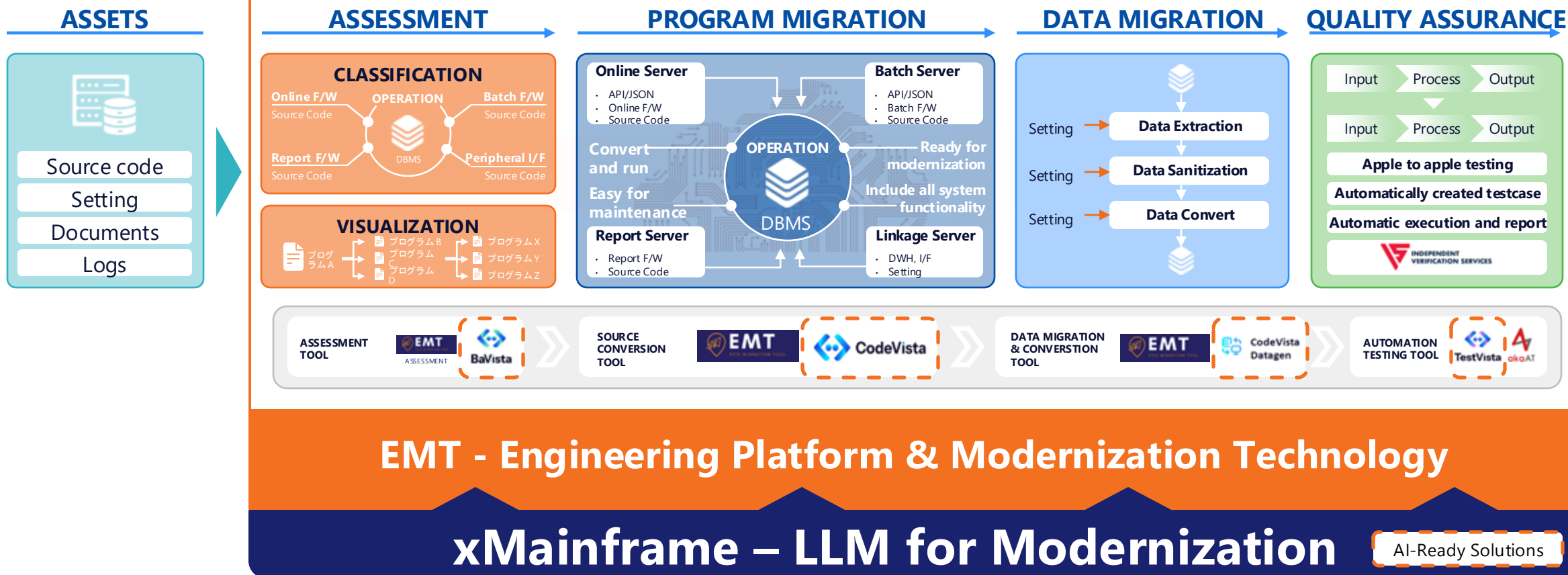
- Mainframe migration and non-mainframe systems remain a large and specialized market with only a few capable players.
- Recognizing this opportunity, FPT is strategically focusing on building and expanding our expertise in this area.

Open Pipeline in 2025 (\$) – (Most in Japan)



2. Positioning of Testing Phase in Modernization Project

IVS's Position in FPT's Program Legacy Modernization

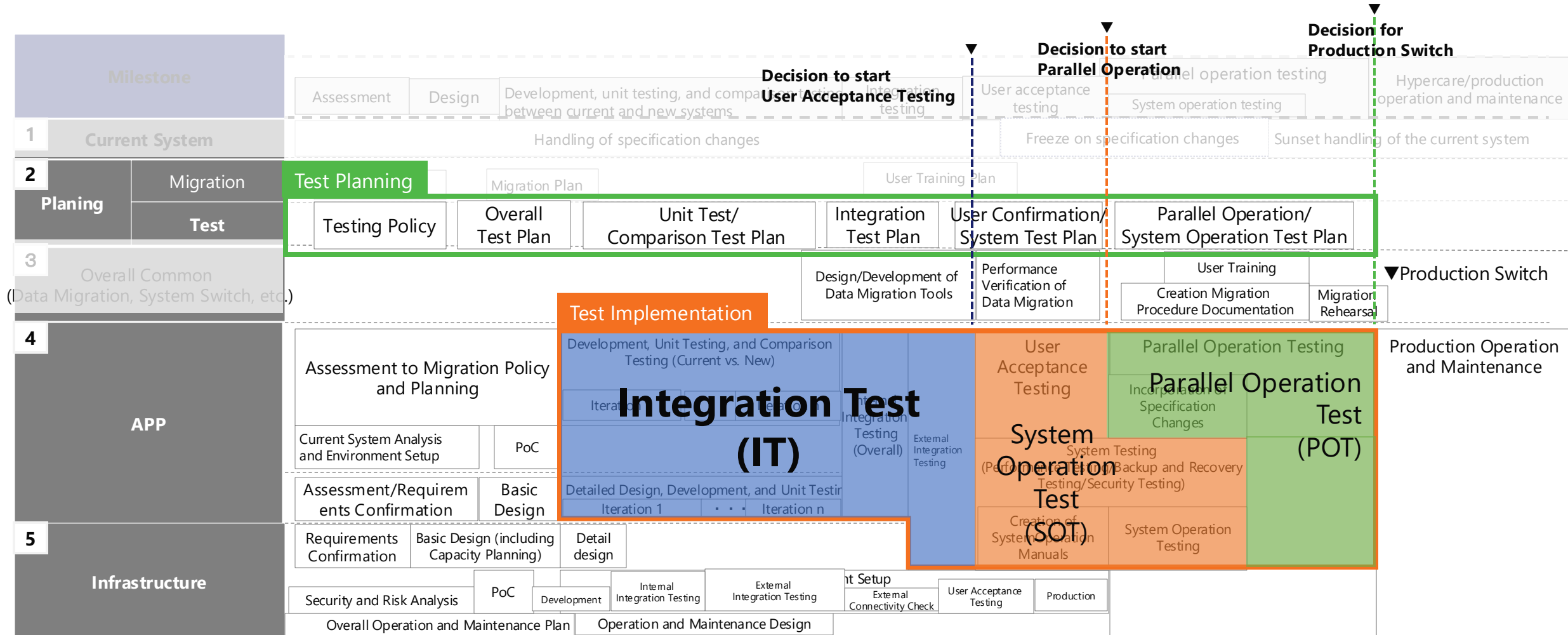


We also offer independent testing services. While the earlier stages, such as asset and data migration, are handled by another company, FPT takes full responsibility for Quality Assurance to meet the highest standards.

2. IVS's Quality Control Level



IVS is currently focused on the IT stage. Due to system and data requirements, the customer handles the process from System Testing onward, with FPT supporting bug fixing. Onsite support is available upon request.



Step 1

Step 2

Test Level

Test Coverage

Design

Coding

Unit Test

Integration Test

System Test

Operation Test

SRS/DD Base Quality Control

Test Coverage

Test Level

+ Test Type

Unit Test

Integration Test

System Test

Operation Test

Input: Assessment Result

Tools: FPT's EMT Accelerator

Input: Pattern List

Tools: UT Tools

Input: Revert Engineering

Tools: Automaton Tools

Input: Customer Scenario

Input: User manual

Input: Detail Design

Tools: CodeVista, UT Tool

Input: Basic Design

Tools: TestVista, Automation Tool (regression test)

Input: Specification

A&A
(AI & Automation)

Making comparison by ensuring all relevant factors are the same, except that output is same too

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ACCELERATORS AND TOOLS LANDSCAPE

