



FPT Legacy Modernisation Service



1. Overview

FPT Legacy Modernisation Service is delivered using a structured, phased, and AI-enabled approach designed to reduce risk and accelerate outcomes. While a high degree of automation is applied across assessment, migration, and testing activities, delivery effectiveness is influenced by the characteristics of the existing legacy estate, target architecture decisions, and client-specific operational and regulatory requirements.

Large-scale legacy modernisation programmes involve inherent constraints and assumptions, FPT's approach has been deliberately designed to address them through early assessment, hybrid AI- and expert-led delivery, and robust governance.

2. About FPT

FPT is a global technology services provider with extensive experience delivering application development, managed services and cloud-enabled solutions for large, complex organisations. With a scalable global delivery model and strong engineering capability across modern application, data and cloud technologies, FPT supports the operation, enhancement and modernisation of business-critical systems. FPT combines structured service management, automation-led delivery and flexible resourcing models to support long-term application stability, continuous improvement and transformation objectives.

3. Legacy Modernisation Service Scope

Our Legacy Modernisation Service provides a structured, low-risk approach to transforming mainframe and midrange systems into modern, cloud-ready architectures. Our proven migration frameworks unlock the incremental modernisation possibility, allow migrating, re-engineering, or modernise systems in phases without disrupting critical business operations.

The service covers the full legacy modernisation lifecycle:

4. Assessment & Solution Design

1. Application, data, and infrastructure discovery
 - Asset classification and dependency analysis
 - Reverse engineering and re-documentation
 - Migration strategy selection (re-host, re-platform, re-engineer)
 - Target architecture and phased roadmap definition

4.2. Legacy Migration

- Automated source code conversion (e.g. COBOL, RPG, JCL)
- Data migration (VSAM, SAM, RDB/NDB → relational / NoSQL)
- Batch, online, and integration workload migration
- Cloud-ready deployment (Linux / Windows environments)

4.3. Legacy Modernisation

- Application re-architecture to modular or microservice-based designs
- API-enablement and external system integration
- UI/UX modernisation
- Business process re-engineering where required

4.4. Verification & Testing

- Automated unit, integration, and comparison testing
- Data integrity and functional equivalence validation
- Performance, security, and operational testing
- Parallel run and cutover support

4.5. Transition to BAU / Managed Services

- Operational readiness and handover
- Documentation and runbook delivery
- Optional transition into Application and Infrastructure Managed Services (AMS)

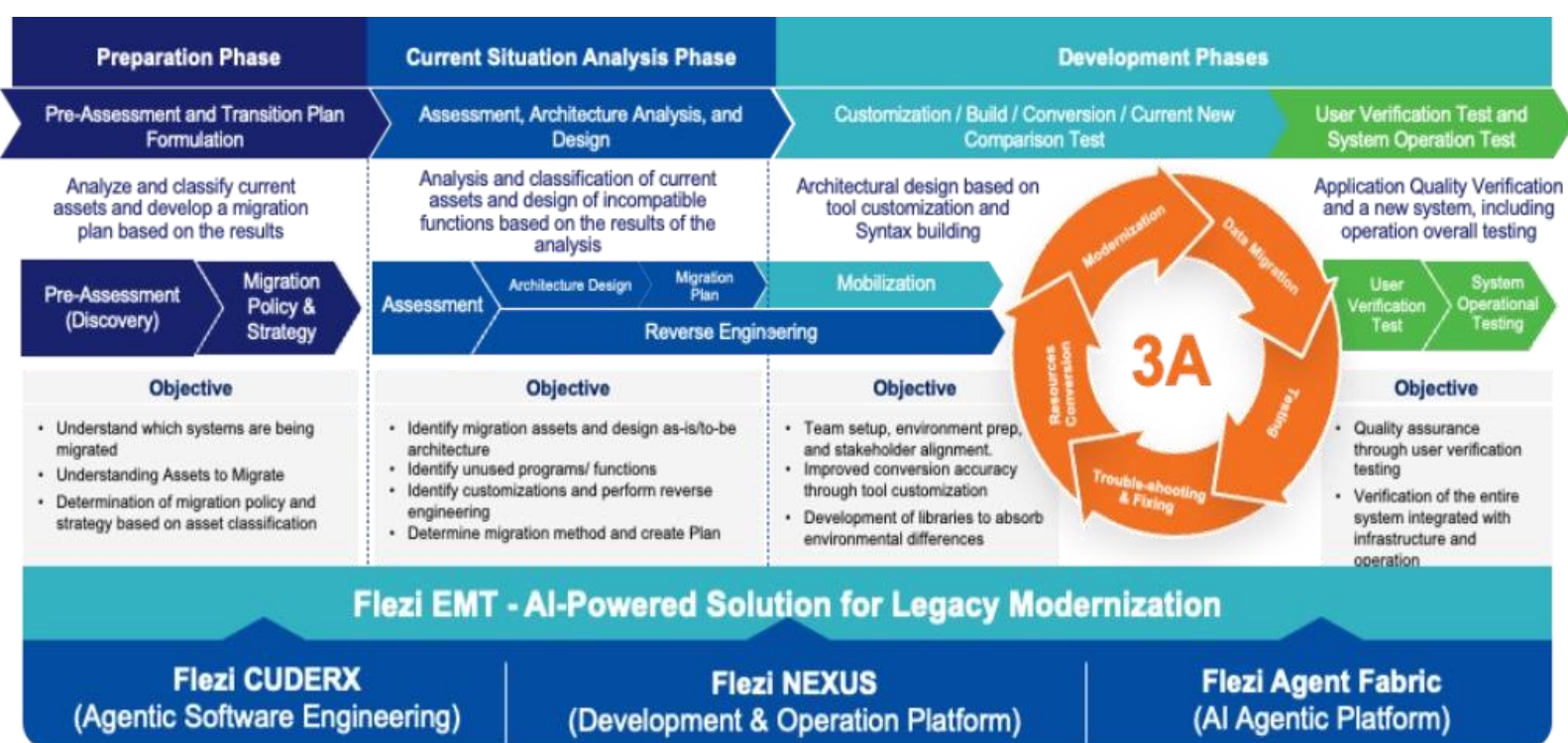
5. Delivery & Operating Model

We deeply understand that modernising applications requires more than migration — **a proper framework** is essential for success. Accordingly, FPT delivery is governed through a structured operating model that integrates AI-enabled automation with experienced engineering oversight and clearly defined delivery assumptions/constraints:

Hybrid delivery model – AI-enabled tools accelerate analysis, migration, and testing but require oversight by experienced engineers for architecture decisions, business rule validation, and exception handling.

Legacy asset suitability – Automation effectiveness depends on the type, quality, and consistency of legacy languages, utilities, and data. Standard assets achieve high automation; highly customised or undocumented components may require manual effort.

Data and environment readiness – Delivery assumes timely access to source code, data, environments, and subject-matter experts. Data anomalies or access delays may impact effort and timelines.



FPT Legacy Modernisation Service is supported by engineering Platforms, collectively forming the Flezi NEXT ecosystem, which enhance productivity, quality, and delivery predictability across the end-to-end modernisation lifecycle.

Flezi CUDERX – Agentic Software Engineering Platform

Provides AI agents across design, coding, testing, deployment, and operations, integrating with modern IDEs and supporting accelerated engineering workflows.

Flezi NEXUS – Development & Operations Platform

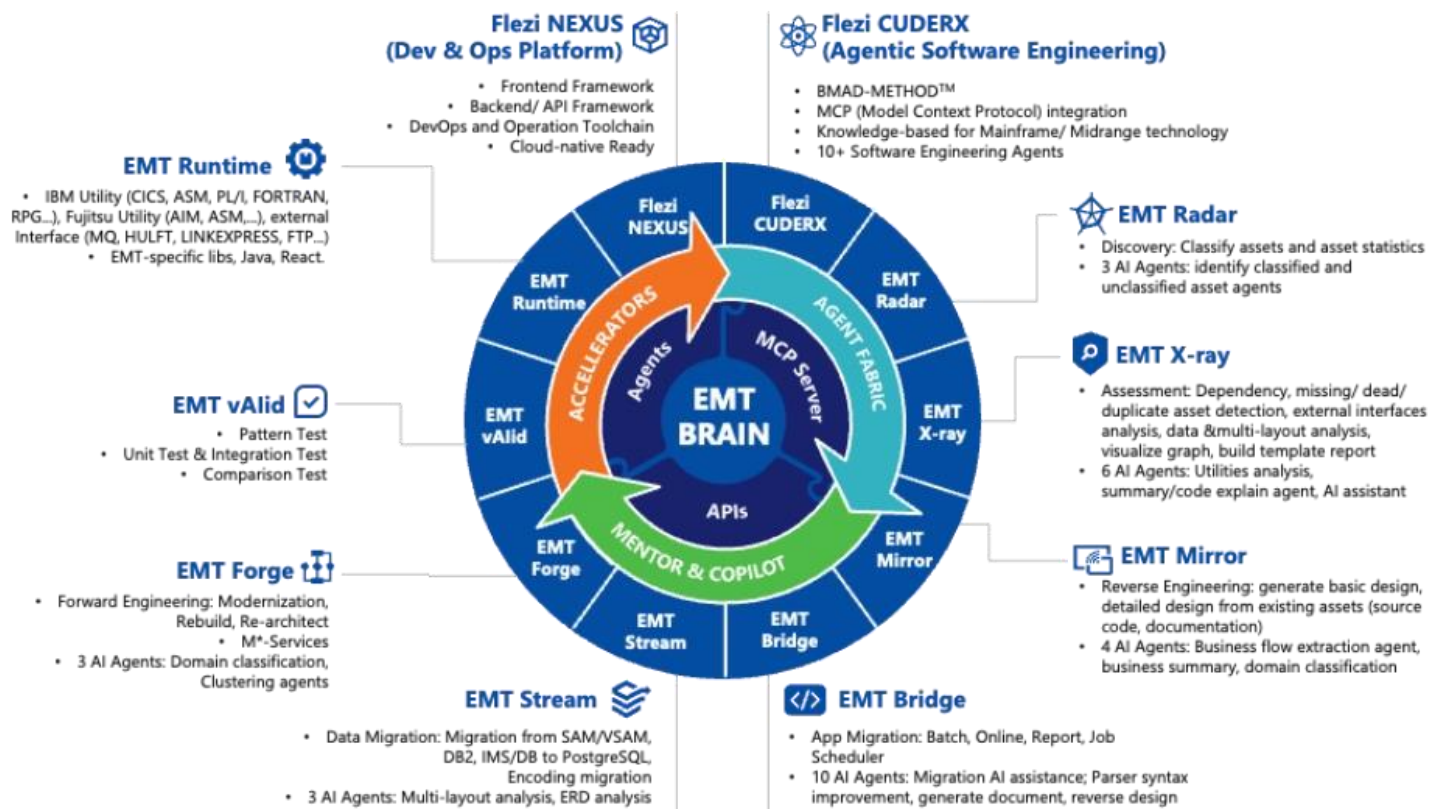
Supports modern UI frameworks, API-ready backend frameworks, DevOps pipelines, immutable infrastructure, monitoring, and cloud-native deployment patterns.

Flezi Agent Fabric – Agent Orchestrator

Orchestrates AI agents across the legacy modernisation lifecycle to support assessment, migration, testing, and operations. It enables scalable collaboration between AI agents and engineers, improving delivery speed and consistency.

6. Tools & Automation

In addition to the Platforms, delivery is supported by a comprehensive suite of accelerators, ensuring coverage across the full spectrum of legacy variations and modernisation tasks across different environments and scenarios.



EMT Radar – Automated asset discovery and classification

Used during discovery to inventory source code, data structures, utilities, and infrastructure assets, identify unknown or unsupported syntaxes, and produce initial estimation and risk reports.

EMT X-Ray – Deep dependency and impact analysis

Performs program dependency analysis, data flow analysis, interface mapping, dead-code detection, and clustering to support migration planning and risk reduction.

EMT Mirror – Reverse engineering and re-documentation

Automatically generates complete, human-readable “As-Is” documentation, including business flows, job flows, ER diagrams, and detailed technical designs, ensuring full system understanding prior to migration.

EMT Bridge – Application migration and code conversion

Supports automated migration of legacy applications (e.g. COBOL, RPG, JCL) to modern languages and frameworks, with logging, error handling, and conversion reporting.

EMT Stream – Data migration and transformation

Handles structured and unstructured data migration (e.g. VSAM, SAM, RDB/NDB) with layout merging, encoding handling, validation, and detailed migration outputs.

EMT Forge – Forward engineering and modern architecture generation

Enables re-architecture and modernisation by generating “To-Be” designs, supporting domain decomposition, API-driven architectures, and cloud-native patterns.

EMT vAlid – AI-driven verification and testing

Provides automated unit, integration, comparison, and regression testing to validate functional equivalence, data integrity, and operational readiness.

EMT Runtime – Execution and operational support

Supports runtime execution, monitoring, and validation of migrated workloads in modern environments.

7. Value to Buyers

FPT Legacy Modernisation Service is designed to deliver the following values:

Mitigates risks associated with legacy technologies and enables the systematic elimination of technical debt

Delivers faster and more accurate assessment and planning, reducing migration risk through early detection of unknown assets

Embeds quality assurance across the delivery lifecycle

Provides standardised, repeatable delivery that improves productivity and quality simultaneously.



THANK YOU

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