Craft Modern Legacies

Transform Legacy Systems into innovation
engines with Agentic AI
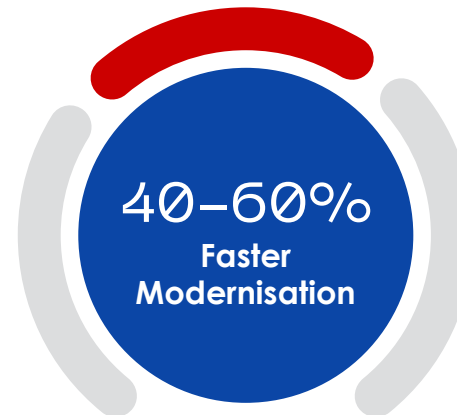
The reality of legacy –
More than just old systems

digiterre
An **Ascendion** company

Over 70% of enterprises still rely on legacy systems, with U.S. companies spending approximately $85 billion annually on maintenance. However, technical debt and skill gaps make modernisation complex. A phased approach - AI-driven refactoring, cloud-native re-architecture, and strategic partnerships - can accelerate transformation while minimising risk.

Legacy systems are not dead ends - they're untapped reservoirs of potential. At Digiterre, we redefine modernisation as a strategic lever to turn outdated technology into engines of growth. With Ascendion AVA+, our AI-powered platform, we don't just upgrade systems; we re-imagine their role in your business.

AVA+ Platform Delivers

40–60%
Faster
Modernisation

30–50%
Cost
Savings

Traditional modernisation is slow, risky, and expensive.

**AVA+ disrupts this paradigm by combining
Agentic AI - specialised AI workflows designed for precision -
with decades of engineering expertise.**

The modernisation journey

Reverse, Rebuild, Refine, Revolutionise

digiterre
An **Ascendion** company

At Digiterre, we break this down into four phases:
Reverse Engineer, Forward Engineer, Test & Validate, and Deploy & Evolve,
all powered by our Agentic AI workflows to drive measurable results.

01 Reverse Engineer

We assess existing systems, map dependencies, and analyse risks to create a modernisation blueprint.

Agentic Workflow
Dependency mapping + risk analysis → blueprint.

Impact
Reverse-engineered legacy code to accelerate modernisation by 6 months, cutting cycle times by 60% and improving efficiency.

02 Forward Engineer

We rebuild systems with modern code and scalable microservices to align with cloud-native standards.

Agentic Workflow
AI generates code and deploys microservices.

Impact
Helped a prominent health and wellness service provider improve overarching security frameworks, and reduce operational expenditures.

03 Test & Validate

AI-driven quality engineering accelerates testing, minimises risk, and ensures traceability.

Agentic Workflow
AI-driven test generation → automated execution → continuous monitoring, validation, and optimisation.

Impact
Enabled a top global consulting firm to slash code transformation time from 5 days to just 4–7 hours.

04 Deploy & Evolve

Post-deployment, we optimise systems with self-healing tools and real-time monitoring for continuous improvement.

Agentic Workflow
Self-healing systems + real-time monitoring.

Impact
Enabled a mass media giant to accelerate delivery of detailed AI-generated artifacts through a scalable conversion framework-achieving 30% faster deployment and boosting time-to-market.

Break through barriers in scalability and efficiency

digiterre
An **Ascendion** company

Legacy systems create significant barriers in scalability, integration, and operational efficiency. Companies often face challenges such as:

- Monolithic architectures that are hard to scale and integrate with modern applications.
- On-prem infrastructure that restricts agility and drives up operational costs.
- Outdated workflows that slow down content distribution and revenue generation.

How AVA+ makes a difference

Reverse Engineering Agents quickly analyse, decode, and document legacy applications, paving the way for seamless Automated Dependency Mapping. By using AI to uncover hidden interconnections between software components, AVA+ minimises risk and ensures a smoother transformation process.

The cost of status quo

People Debt

Problem
The shortage of legacy experts creates a talent bottleneck, consuming 40% of IT budgets on retention rather than innovation.

Solution
AVA+ uses AI automation to convert legacy code into modern languages, reducing dependence on specialised skills and enabling scalable modernisation.

Process Debt

Problem
Outdated workflows slow Agile adoption, causing delays of 6–12 months and hindering market responsiveness.

Solution
AVA+ applies AI-driven orchestration to streamline workflows and reduce cycle times by 60%, aligning teams with Agile methods.

Technology Debt

Problem
Legacy on-prem systems are three times more costly than cloud alternatives, limiting scalability and innovation.

Solution
AVA+ identifies inefficiencies and guides smooth cloud migration, enabling cost savings and a competitive digital-first approach.

Gain an edge with Agentic AI

digiterre
An **Ascendion** company

Digiterre's edge to Agentic AI

At Digiterre, we believe that Agentic AI represents the next evolution in AI, unlocking capabilities beyond generative models.

Here's why our approach stands out:
The AVA+ platform is powered by over 250 specialised AI agents, each designed to tackle unique challenges with precision and efficiency. For example, while one agent might excel at reverse engineering complex legacy programming languages like COBOL, another is tailored to build modern applications using frameworks like Angular. This level of specialisation ensures that every task is handled by the right tool for the job, delivering unmatched results.

AVA+ offers a suite of advanced tools that accelerate development and modernisation. Reverse Engineering Agents decode legacy codebases up to 10 times faster, unlocking value from outdated systems. The Forward Engineering Agents quickly create scalable, cloud-native architectures, while Orchestration Agents automate processes like testing, documentation, and deployment, reducing manual work and speeding up timelines.

The Agentic AI framework doesn't just accelerate outcomes – it intelligently transforms them, empowering businesses to confidently navigate and overcome their most critical technology challenges.

To showcase the power of our Agentic AI approach, here's a real-world impact:

A global telecom company required a modern application-based security monitoring that offers consolidated threat detection, scanning assets for vulnerabilities, monitoring and other features.

- Built a centralised database to eliminate data backlogs.
- Unified user logins to reduce duplication and consistency issues.
- Delivered a scalable, automated solution with continuous monitoring - freeing the SOC team to focus on strategic improvements.

Future-proofing with AI

Build for tomorrow, today

digiterre
An **Ascendion** company

In a fast-evolving tech landscape, staying ahead requires more than just keeping up - it requires future-proofing. At Digiterre, we help organisations build systems that are agile, secure, and scalable, ready for today and adaptable for tomorrow.

Key Capabilities

Predictive Analytics

Make smarter decisions 30% faster using real-time insights.

AI-Driven Security

Detect cyber threats 50% faster with AI-powered security tools.

Hybrid Cloud

Scale workloads efficiently, optimising performance and cost.

The AVA+ advantage

Digiterre's parent company, Ascendion, consistently invests in research and development. AVA+ represents this commitment to ensure your systems stay ahead of trends like quantum computing and edge AI, keeping you in touch with and aligned with latest tech advancements. Prepare for the future today with AI-driven solutions, turning current investments into future successes.

Your modern legacy starts now

Join forces with Digiterre to transform legacy systems into innovation powerhouses.

Your journey starts here
Building future-ready systems isn't just about technology - it's about creating freedom. Freedom to innovate, freedom to grow, and freedom to imagine what's possible. At Digiterre, we're here to guide you every step of the way, turning your legacy systems into engines of opportunity.