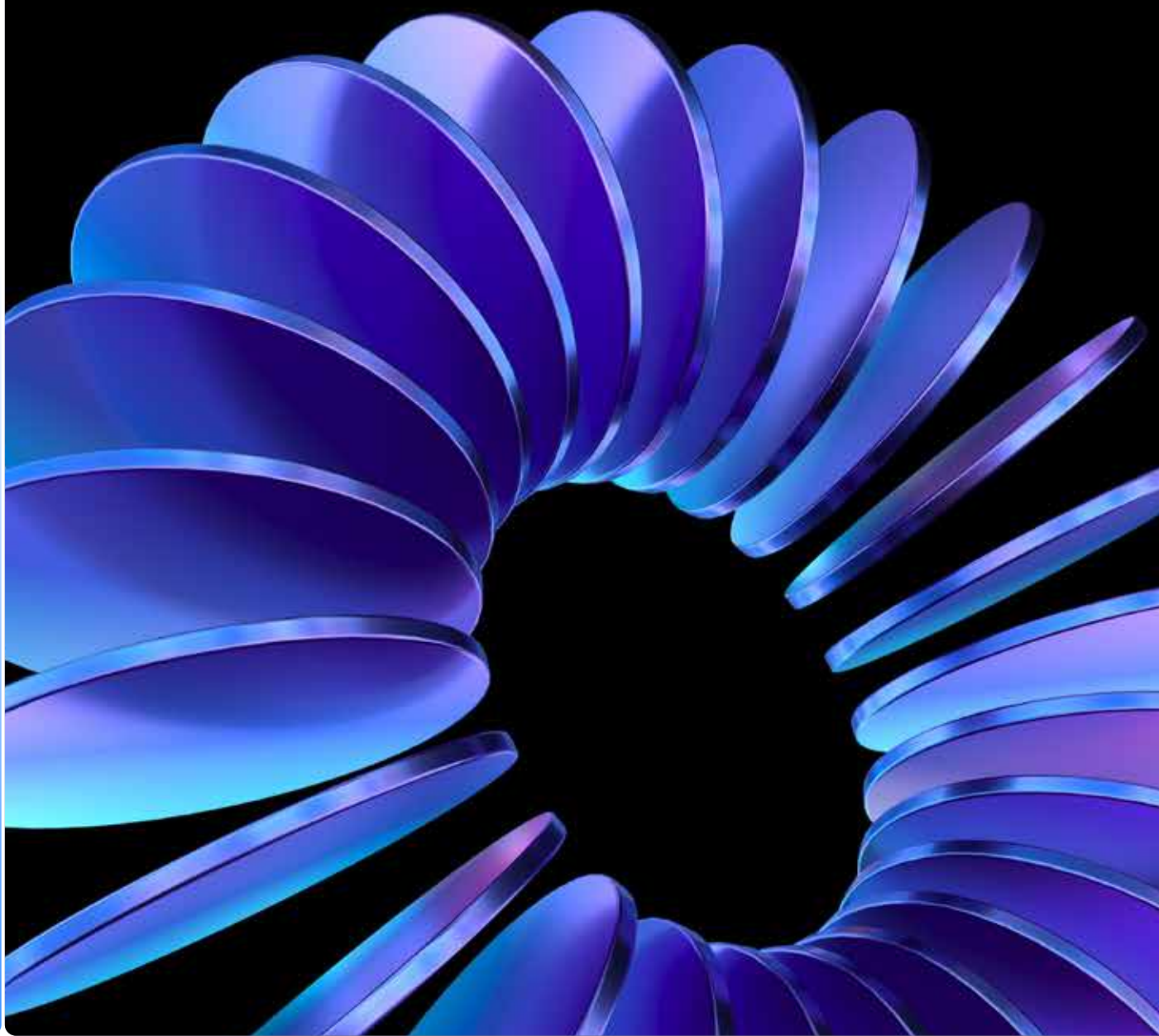


HCLTech AI Force™

A service transformation platform
revitalizing software engineering
and IT operations



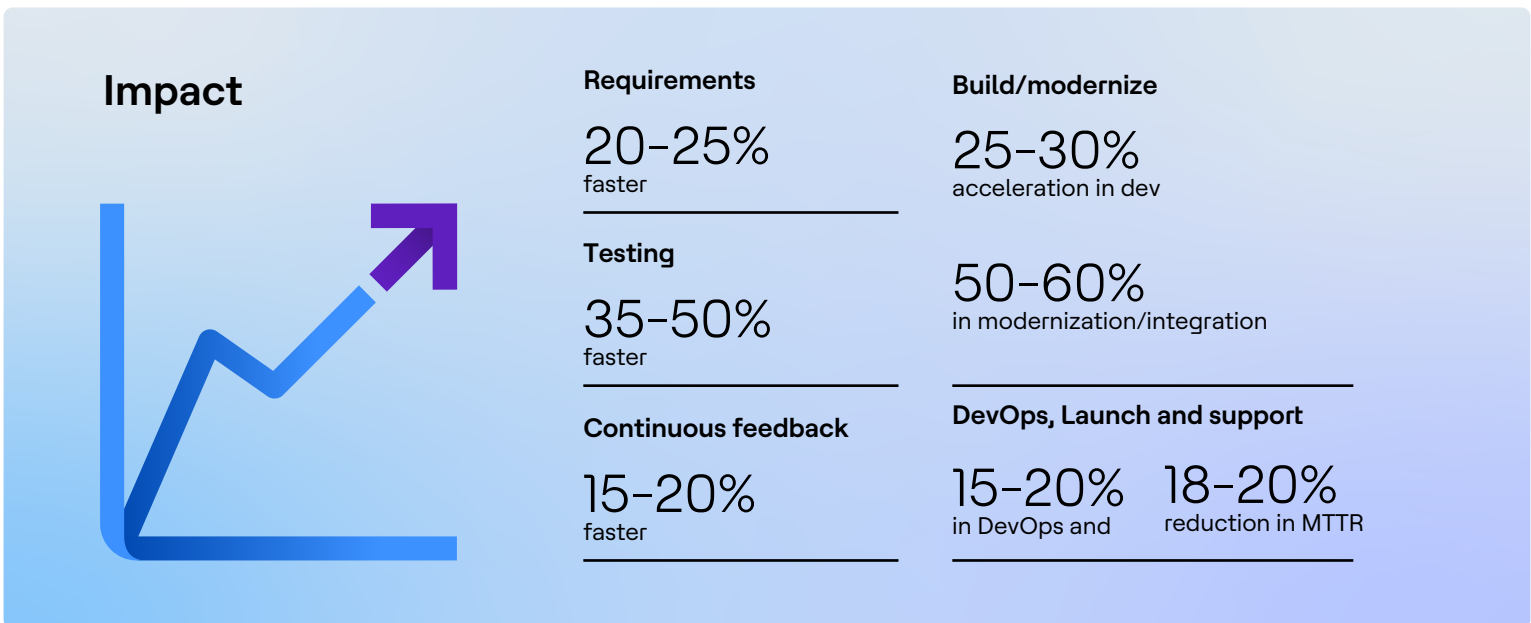
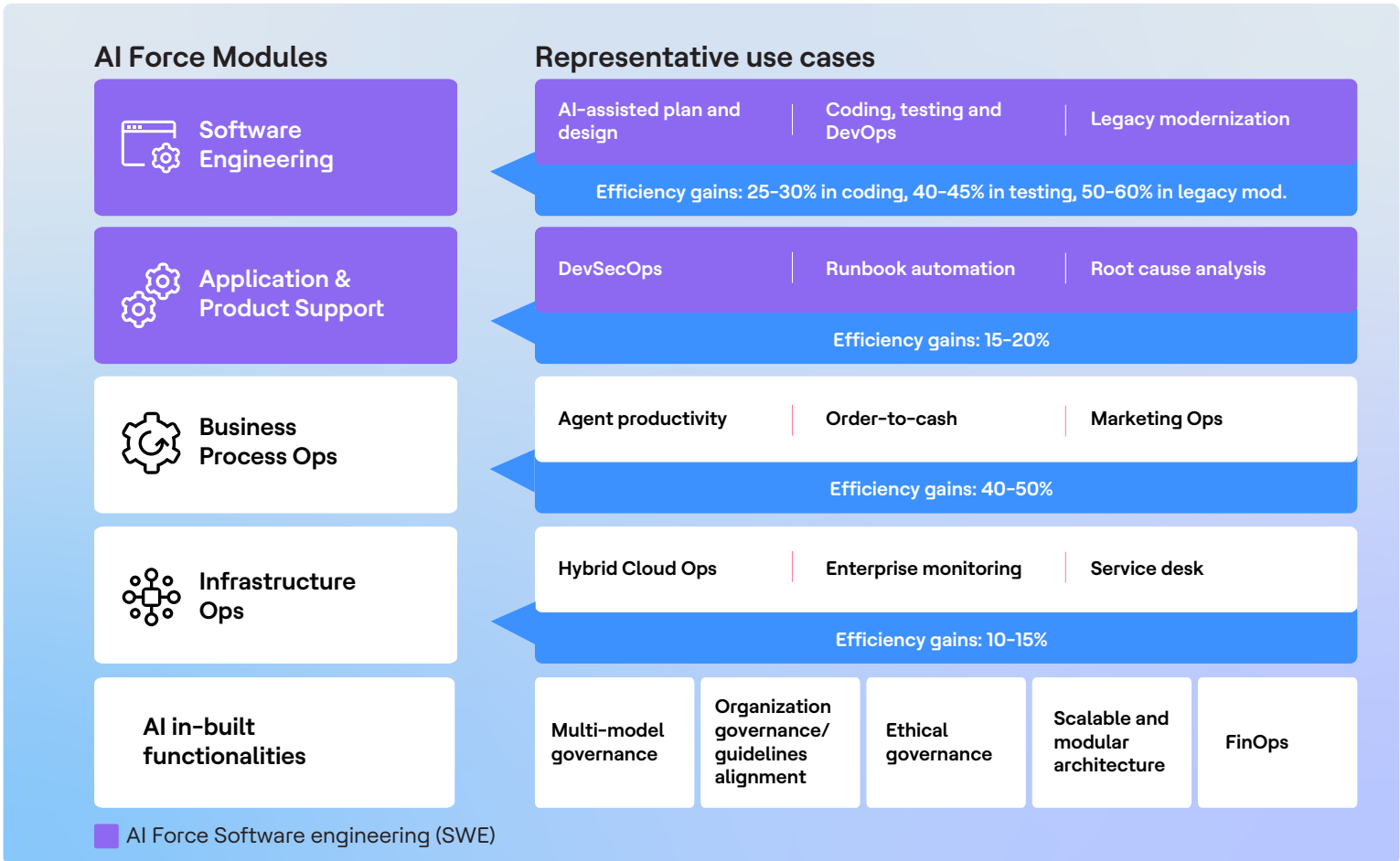


Introduction

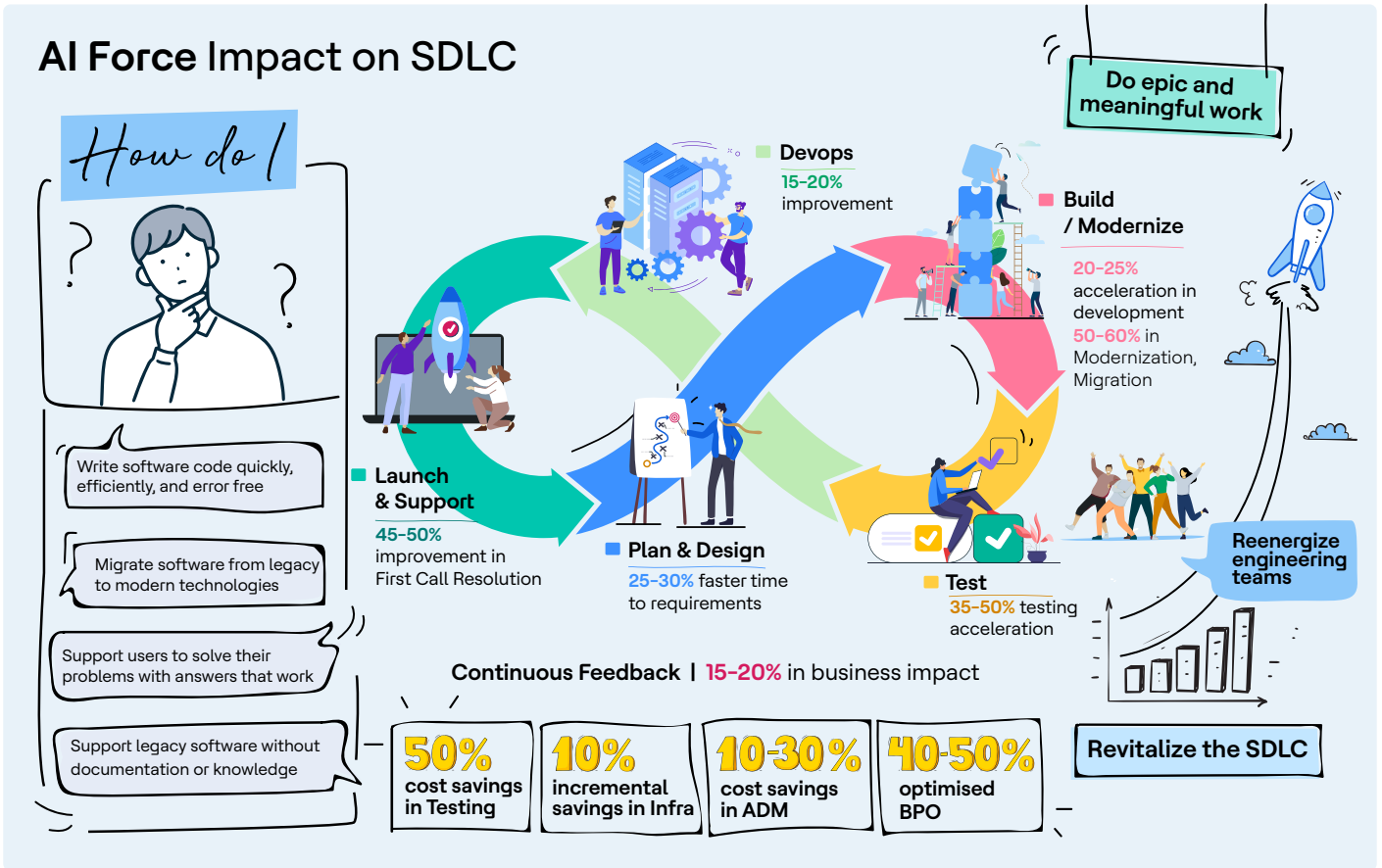
AI Force is HCLTech's patented service transformation platform purpose built to drive efficiencies across the software engineering and IT operations lifecycle. This innovative platform augments the velocity, efficiency and innovation of these processes through AI and GenAI technologies.

By injecting intelligence into every facet of software development and operations lifecycle—from requirements analysis, software design, coding, testing, DevOps and support and maintenance—AI Force delivers productivity gains, better quality, improved efficiencies, reduced costs, and accelerated time to market.

It brings into focus the needs of every persona (ex. product manager, software developer, tester, DevOps engineer, Doc writer, and support specialist) and reimagines their daily routine by automating mundane and routine tasks.



AI Force Impact on SDLC



Advanced features

Plays well with all Large Language Models (LLMs) and Small Language Models (SLMs)

AI Force has no bias when it comes to LLMs, and supports multiple types of models ranging from commercial LLMs (e.g. Azure Open AI, Google Gemini, IBM Granite and Anthropic Claude) to open-source LLMs (e.g. Phi, Llama) hosted on cloud or on-premise (leveraging NVIDIA NIMs and Triton Integration), enabling the users to choose the LLMs that works best for them.

Responsible at core

AI Force incorporates robust security guardrails while communicating with the underlying LLMs to ensure that malicious inputs are not sent to the LLMs and inappropriate output from the LLMs are not seen by the end user.

Search & summarization capability

AI Force comes with search and summarization capabilities for rapid and efficient dissemination of knowledge across various project artifacts. Includes keyword, vector, hybrid and graph search capabilities.

Code Workspaces powered by Agentic workflows

AI Force's Agentic technologies further streamline and transform the entire software development process - from reviewing requirements to crafting a comprehensive development plan, generating code, unit test cases, and deployment-ready scripts.

Speech recognition input capability

AI Force is equipped with speech-to-text conversion capabilities using automatic speech recognition and translation models. Product managers can now upload voice recordings of application requirements-related content, and AI Force will understand those and generate detailed features and user stories.

Enhanced ability to work with a wider ecosystem of use cases

AI Force goes above and beyond by integrating with IT Ops (Agentic), a multi-agent system to skill and enable AI agents for IT Ops use cases, and LLM fine-tuning to streamline customization of different LLMs to suit a project's unique requirements.

Third-party repository integration

AI Force includes the capability to import project artifacts from various repositories: AzureDevOps (requirements, code, defect details, test cases/scripts, etc.), Jira (requirements, test cases and defect details), SVN and GitHub (source code) and Bugzilla (defect details).

IDE extensions

AI Force capabilities are also available as part of two different extensions for both VS Code and Eclipse IDEs.

BYOU!



AI Force supports BYOU (Bring Your Own Use case) capabilities. Simply fill in a pre-defined custom use case onboarding template and in a few steps your use case will show up within the catalogue of use cases.

Persona Based Use Cases

AI Force have something for all personas across the software development and operations lifecycle.

Product Managers can generate requirements, user stories, and understand the impact of bringing in a feature change

Software developers can understand code, generate code, detect code clones, generate unit test cases, and migrate code

Quality Assurance engineer can generate test cases and test scripts from requirements, optimize test cases, and identify missing test cases

Release Managers can get a comprehensive report of a variety of security and vulnerabilities across the entire code base and have peace of mind before releasing the code into production

Success Story

Case Study 1

AI Force accelerates the modernization process for a leading bank

A leading bank needed to move to a modernized architecture. Our patented GenAI solution helped migrate 200+ legacy .Net applications and accelerated time to modernize by up to 40%.



Case Study 2

AI Force accelerates product launches in a highly competitive market for a networking OEM

A networking OEM needed to launch its enterprise networking products faster to the market so as to avoid ceding ground to its competitors. Our GenAI-infused testing accelerates its go-to-market and delivers efficiency gains of up to 40%.

