GFT AI Impact Beta

Transforming the software development scenario

...what will we cover in the next slides?

- AI 4 GFT: How GFT is taking advantage of Gen AI?

- How to benefit from Gen AI on the approach to software development

- Questions – 5-10 minutes

GFT AI₀DA Marketplace

USE CASE LIBRARY

- Visual Inspection
- Predictive Maintenance
- Customer Service
- Fraud Detection
- AI Engineering
- Shopfloor Management

- Knowledge Acquisition
- Manufacturing Analytics
- Project Portfolio Management
- Energy Management
- Software Development
- Voice-assisted Workflows

AI JOURNEY

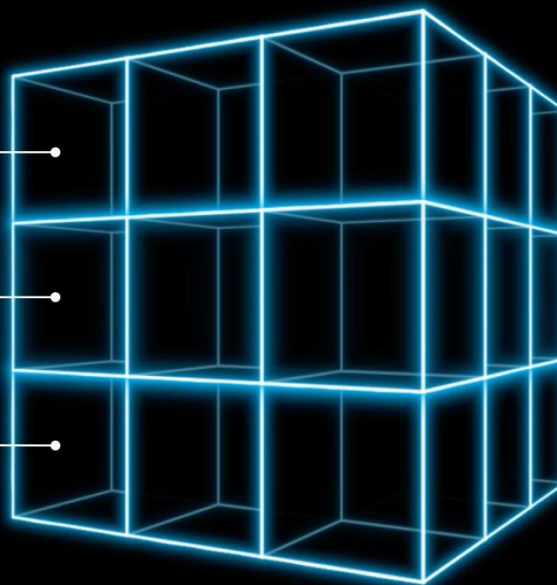| Assessment & Strategy	Implementation	Operation
- Domain expertise - Innovation lab - Fast prototyping	- Reference & security architectures - Methodologies & accelerators - Partner ecosystem	- Monitoring - Retraining - Adaption

MODERN DATA PLATFORM

- Integration
- Lake Engineering
- Data Modelling

- Distribution
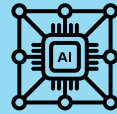- Governance

Gen AI ecomomic potential is huge and wide spread

The total economic benefits:

U$ 7.9 trillion annually

Hot spots Banking

SOFTWARE ENGENEERING
Benefits from **US$ 580 – 1,200 Bi** and it is the most impacting area for banking sector

COSTUMER OPERATION
Substantial efficiency on customer emergency interactive voice response (IVR)

MARKETING & SALES
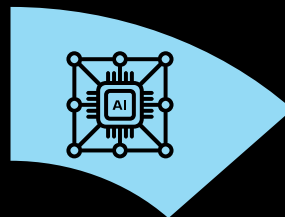Push personalized marketing and sales content

OPERATING PROFITS
Potential Value **9 - 15%** of operating profits

GFT **AI Impact** Beta was design using Generative AI techniques to optimize the way codes are created and accelerate the development life cycle.

By 2027, 70% of professional developers will use AI-powered coding tools, up from less than 10% today.

SOFTWARE ENGENEERING

GFT has focused on mastering capabilities related to Software Development

✓ Distinguished use of Gen AI in this arena

✓ Expertise to make the best chain-of –thoughts

✓ Focused Gen AI application development for SDLC

✓ Knowledge on AI prompting and different LLM model

GFT Vision is to support all software development (SDLC) with Generative AI

| Ideation | Discovery | Development | Test | Deploy | Sustain |

Unstructured Data modelling

Architecture, BD, modernization

Code creation and conversion

Code fix, test cases creation

Maintenance and sustain user support

GFT AI Impact Beta embodies GFT know-how to orchestrate the SDLC process, combining tools, prompting GenIA to the most effective form, getting the best structured answer for a given step in the process

All of this through 7 essential tools:

Coding Assistant
Computer-assisted coding that saves real coding time.

Code Fixer
Automates the entire process of fixing bugs and vulnerabilities. The developer's only responsibility is the final inspection of the revised code.

Documenter
Operationalizes generative AI for self-documenting code-based projects.

Code Reviewer
Implements generative AI to understand Pull Request created by the team to detail the changes, helping the Reviser with the Code Review.

Story Point Calculator
Based on the text of the agile story created, GFT AI Impact estimates the story points, applying Fibonacci, providing a perspective of complexity that results in the system development effort.
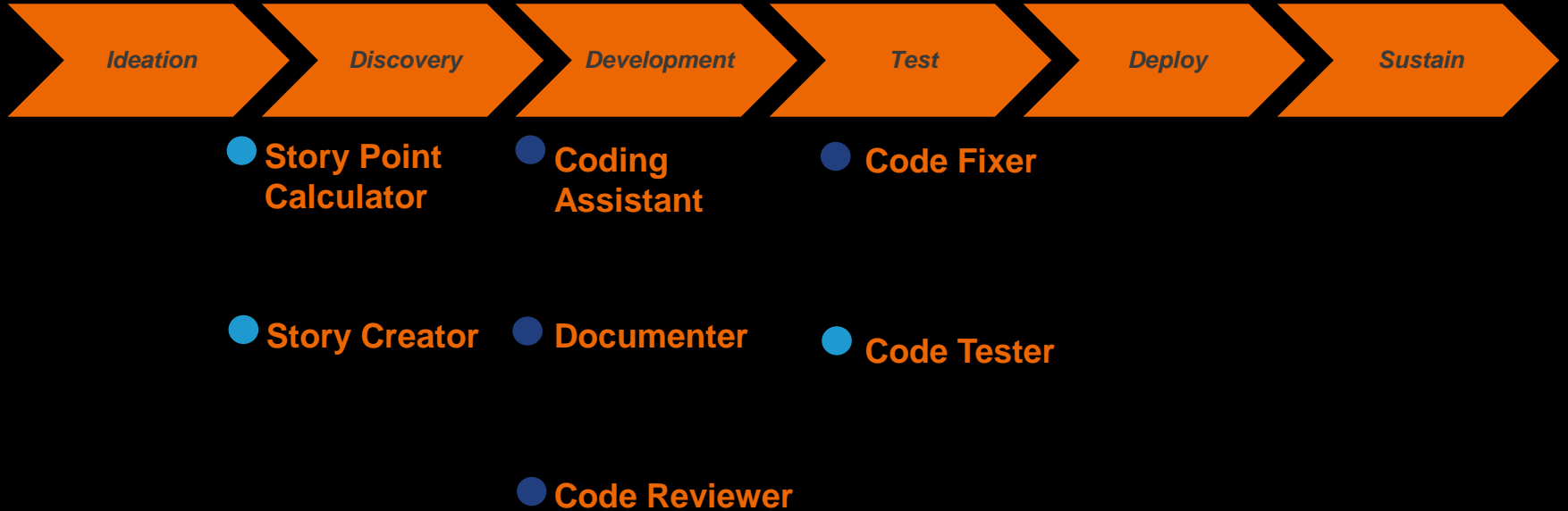
Story Creator
In an interaction with a human, GFT AI Impact receives a business need and breaks it down into stories and tasks. With this initial step, the human PO complements and refines the business needs, creating a complete agile story.

Code Tester
It combines traditional machine learning and Generative AI, searching for the context in which the code to be tested is inserted. This maximizes the test cases that are created by AI Impact.
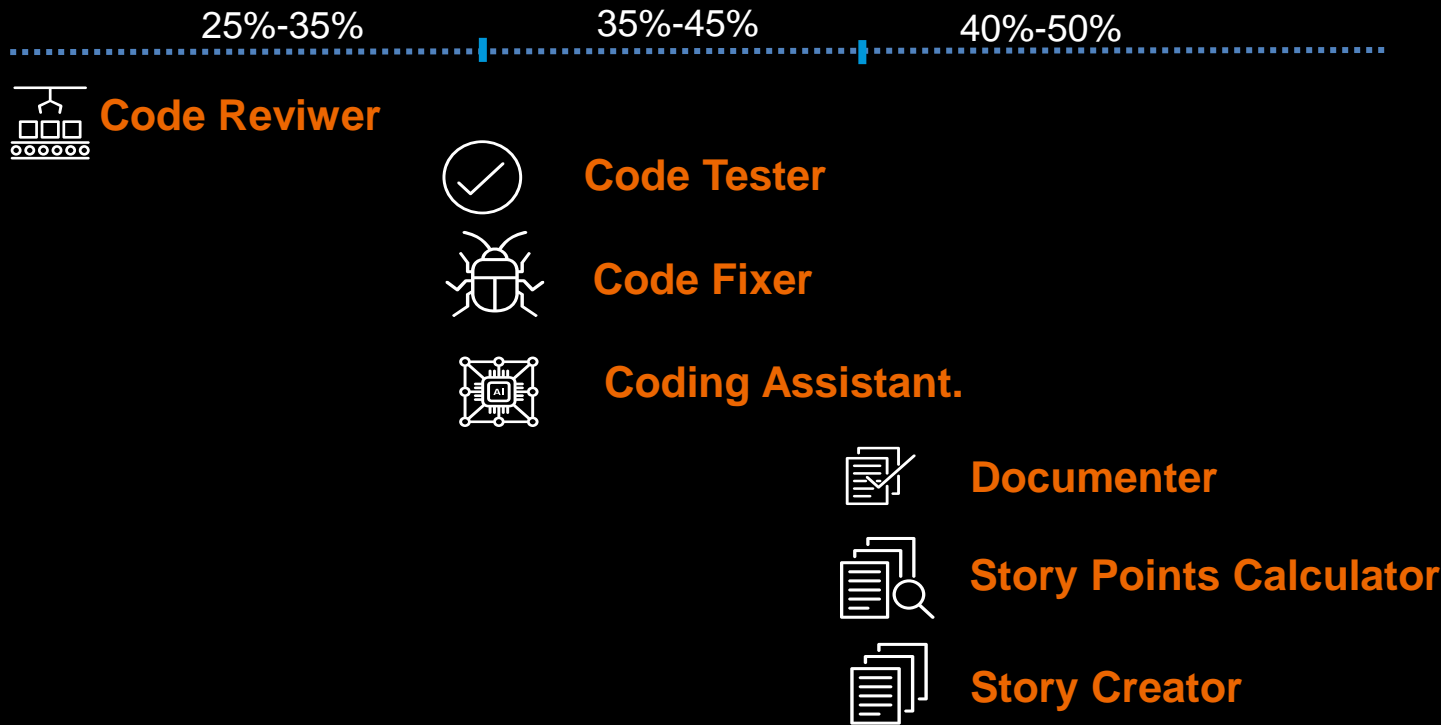
Current Tools

| Ideation | Discovery | Development | Test | Deploy | Sustain |

Story Point Calculator

Coding Assistant

Code Fixer

Story Creator

Documenter

Code Tester

Code Reviewer

● V1.0

● V1.1

AI Impact Beta

1 Efficiency: Gains up to 25% in code review , vulnerability fix, testing efforts

2 Scale: Executions can be carried out at flexible times, in parallel

3 Costs: Controlled number of access and LLM model type

4 Security & Track: Closed prompts, avoiding malware, evidence of execution for responsibilities

5 Ethics: Prompts without the possibility of response deviation with critical ethical points

6 Conformity and Standardization: Conformity to internal coding standards

Potential effort reduction

| 25%-35% | 35%-45% | 40%-50% |

Code Reviwer

Code Tester

Code Fixer

Coding Assistant.

Documenter

Story Points Calculator

Story Creator

What to do to get the full benefit of Gen AI in Software Development

1 Business: Envision and declare how business can benefit from adoption of Gen AI in SDLC

2 Strategy: Map where are the most suitable teams and systems to start, test and evaluate

3 Roadmap: Create a feasible roadmap and define how to adapt Gen AI for each situation

4 Measure: Stablish clear measurement and KPI's. Compare continuously

5 Polices & Standards: Evolve software development policies and standards to include Gen AI

6 Ethics and Risks: Create or evolve a committee to give guidance and guardrails. Monitor continuously

How to start and scale with GFT AI Impact Beta

Step 1

Understand and Business Case

- Demonstration and discussion on what makes sense for the business

- PoC to better picture potential benefits

- Outline where GFT AI Impact can be applied

- Align scenarios to maximize value (combined services, license, etc)

- Create a business case

Step 2

Plan

- Map SDLC workstreams and its needs and characteristics

- Prioritize in order to be aligned to business

- Define roll out high level timelines for the workstreams

- Rise issues , concerns and barriers

- Create a roadmap

- Discuss and align with business leaders

Step 3

Execute

- Revisit Polices and Standards

- Adapt AI Impact modules to best fit to workstream

- Include standards

- Test for each workstream

- Validate results (metrics, quality and issues)

- Scale and jump to another workstream

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