

From Experimentation to Execution:

How Developers Are Scaling AI
in Software Delivery

PALLOIT

Crafting tech as
a force for good.



ABOUT ME

Kevin Aubry

- CTO | Software Engineer | AI Adoption Leader
 - 15+ years in tech, spanning Europe and Asia
 - Based in Singapore for 10 years
 - Led multiple large-scale engineering projects
 - Driving AI Coding Assistant adoption across organizations
 - Passionate about Djing, dancing, and snowboarding



Who we are

We Care

about people
and our world

We Share

it's in
our DNA

We Deliver

awesomeness

We Act

with courage
& kindness

We Choose

positivity

**WORLD
ECONOMIC
FORUM**

'New Champions' community
status gives access to C-level
insight from business leaders

Certified



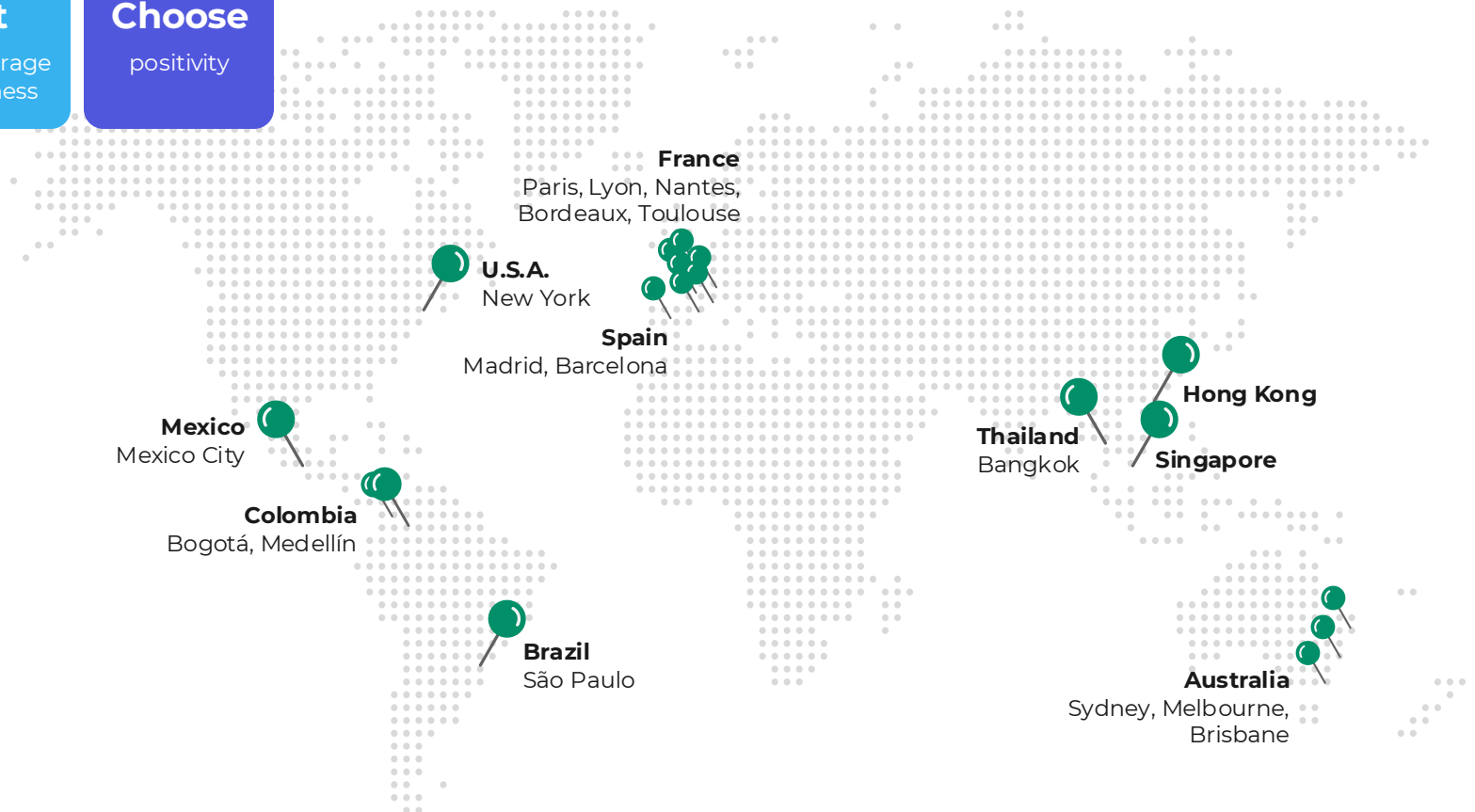
Certification underscores our
credibility and dedication to
positive impact

500+

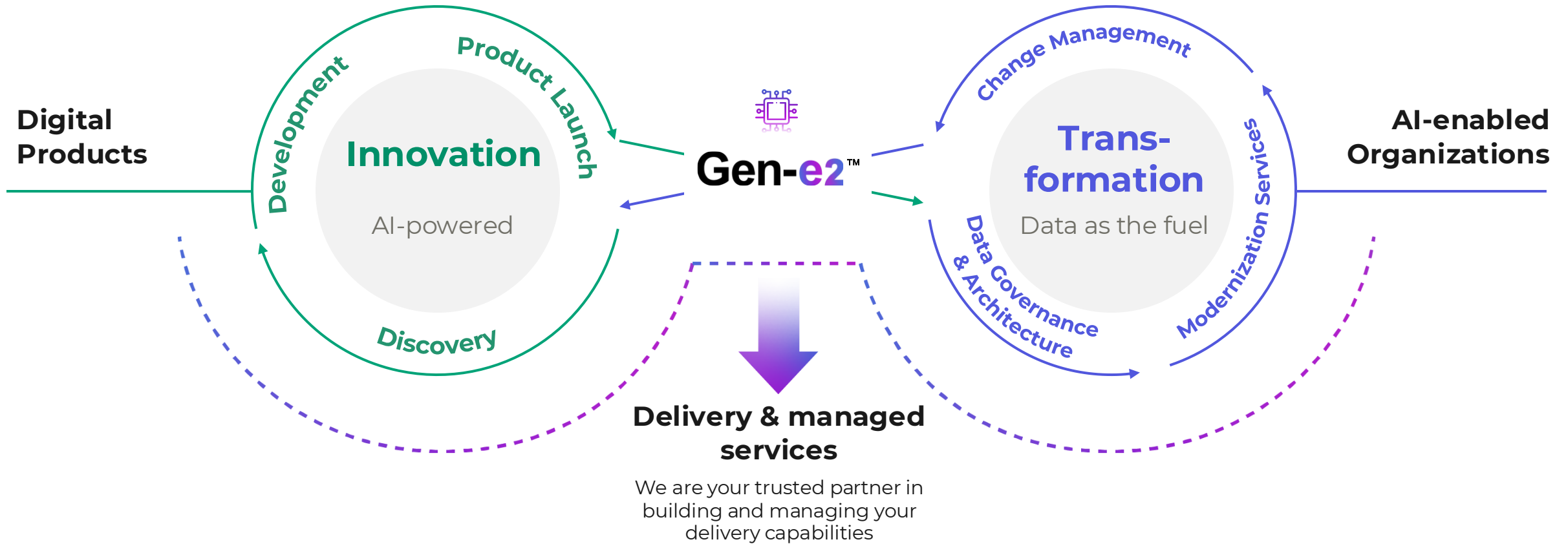
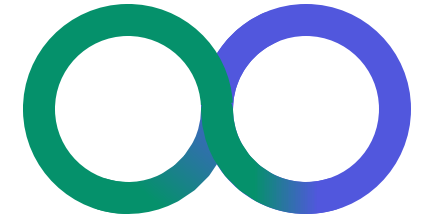
Passionate tech experts from
50+ nationalities across the
globe

100%

Independent. Born in 2009, we
have 0 debt



What We Do



How AI Coding Assistants BENEFIT TEAMS



Relief from Repetitive Work



Enforce Consistent Standards



Reduce Cognitive Load

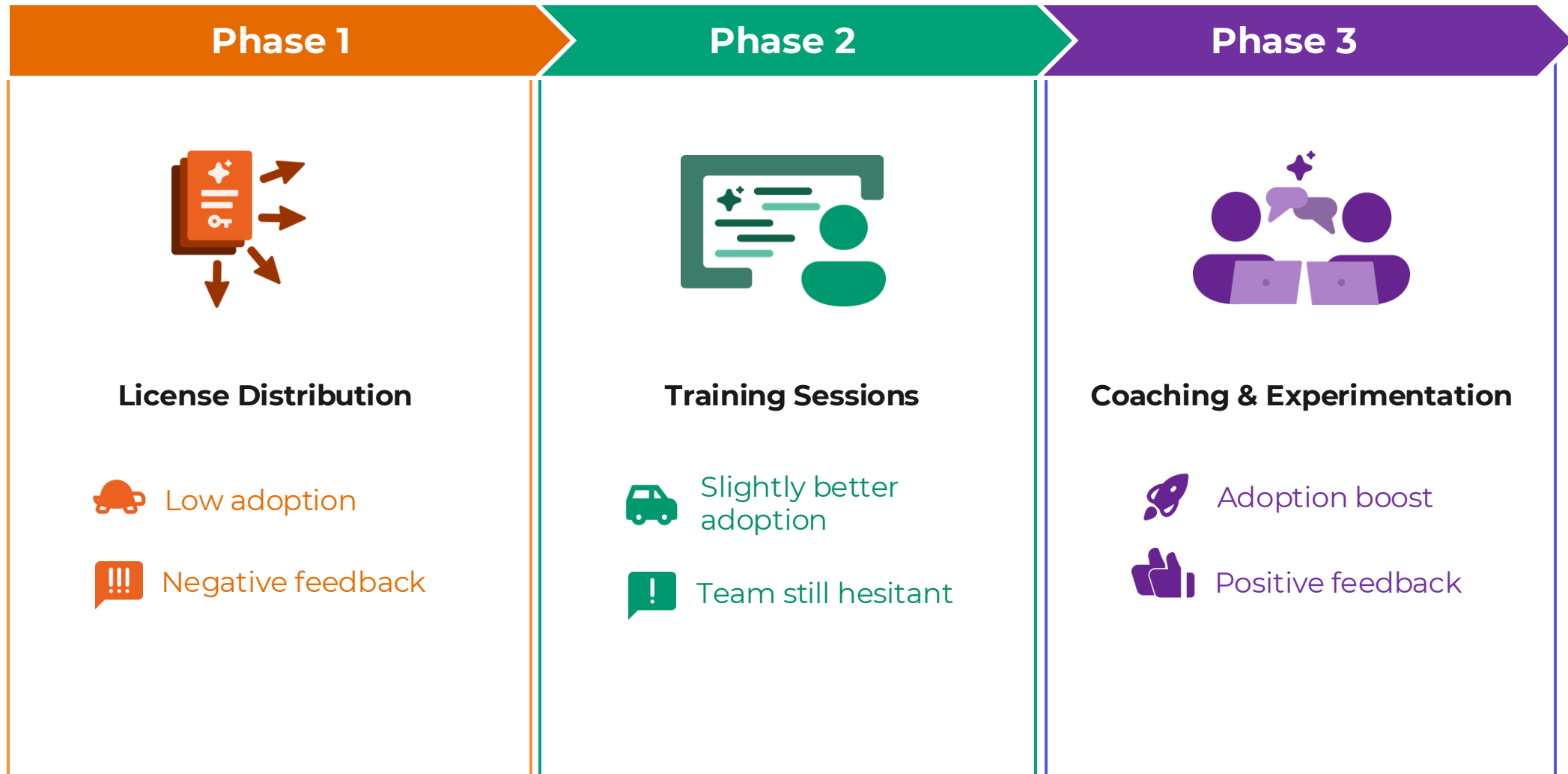


Enhance Code Understanding



Empower Developers

OUR JOURNEY TO SCALE AI ASSISTANTS





That is when we realized we needed to completely
rethink our ways of working if we wanted to unleash
the real potential of AI.

Gen-e2TM

PALO IT Trademarked Methodology



THE REAL VALUE IS TO PUSH AI TO THE NEXT LEVEL – PRODUCT CREATION

Code complete

```
65 // ProxiedPrototype allows the provided prototype to remain
66 // so that it can be used as a mixin for multiple widgets (
67 var proxiedPrototype = {};
68 window.
69 var nam document
70 name =
71 var ful resizeTo
72 applicationCache
73 if ( !p defaultStatus
74 pro directories
```

Code Generation

GitHub Copilot Chat

monalisa

Write tests for this file

GitHub Copilot

Sure, here are some tests for AdapterScript.java

```
import org.junit.jupiter.api.Test;
import static org.junit.jupiter.api.Assertions.*;
```

IDEA Community

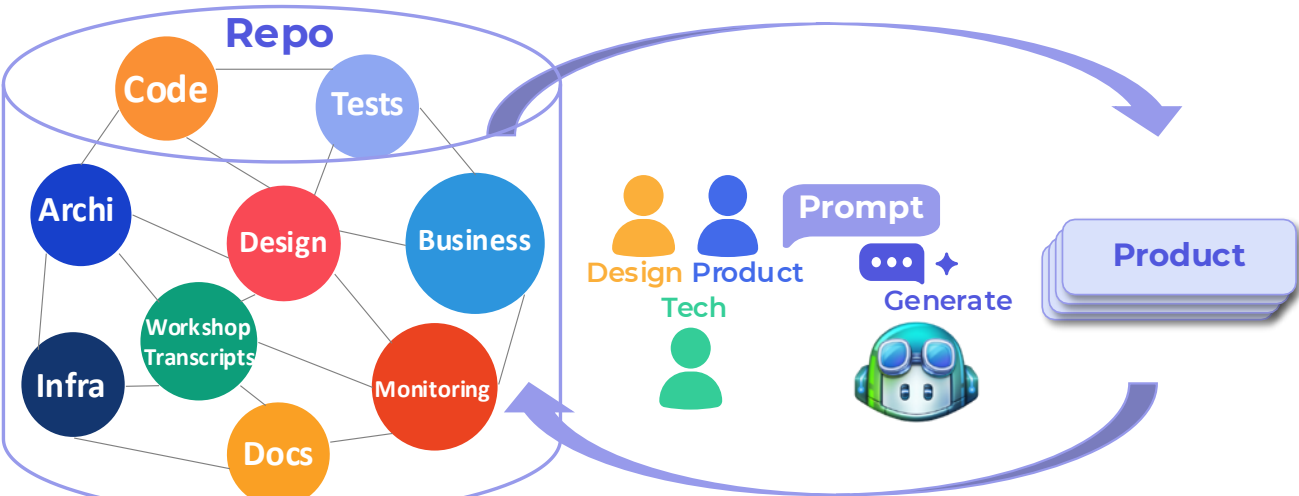
AdapterScript.java

```
// Convert regular functions to @Link Multivari
public static MultivariateDifferentiableFunction tab
return new MultivariateDifferentiableFunction()
@Override
public double value(final double[] point) {
@Override
```

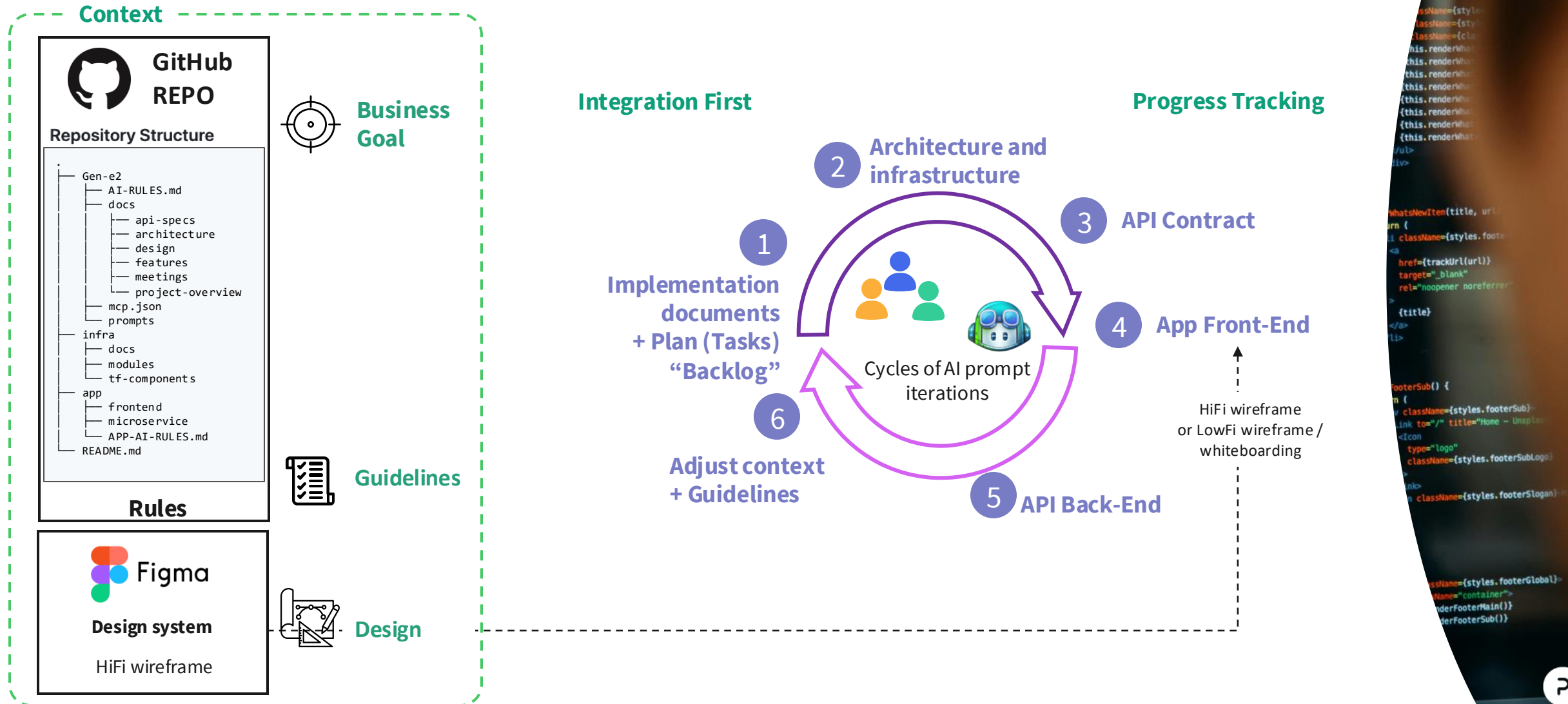
Gen-e2™ Product Creation

All the project artefacts, design, architecture, requirements into a single Repository.
The full project context is available to the AI.

- + Faster product delivery
- Requires a change in product delivery and team structure



A NEW WAY OF WORKING – AI MOB PROGRAMMING DAILY ITERATIONS



REAL PRODUCTIVITY GAIN VS MARKETING HYPE



55%

Faster coding



Code Faster

Automate development tasks and boost developer confidence to move quickly

25%

Time savings

25%

Faster initial development

Safe Software quote

up to 40%

Developer productivity increase

Eviden quote

37%

Acceptance rate. The highest reported* code acceptance rate among assistants that perform multiline code suggestions.

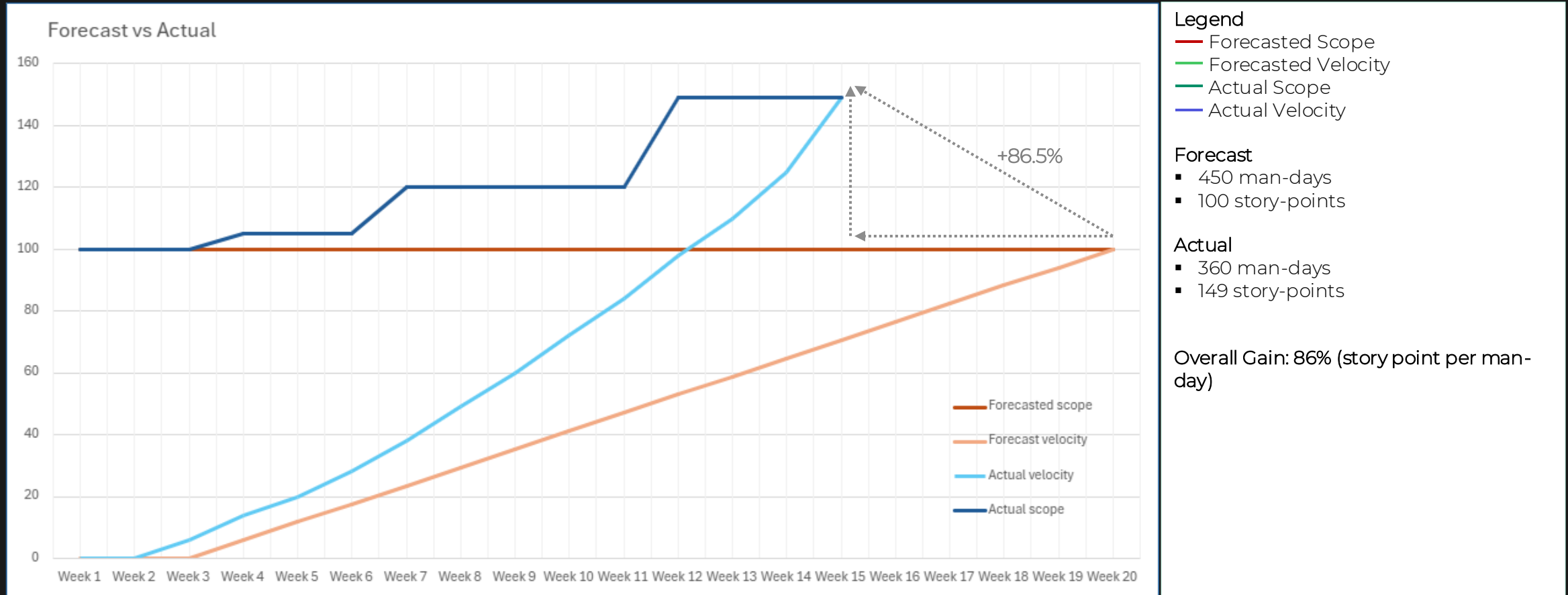
*as recently reported by BT Group

DEMO



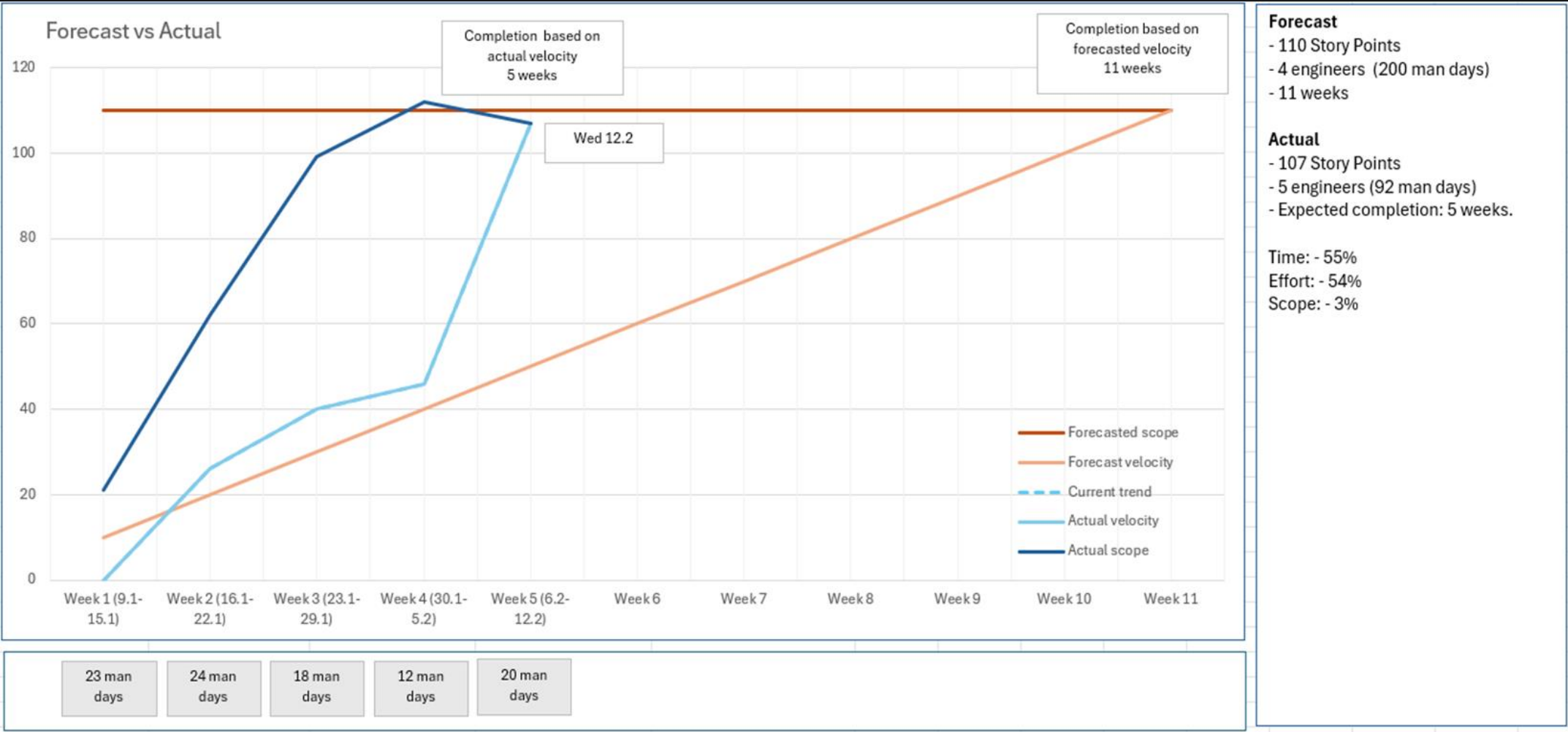
VELOCITY ON 1ST GEN-E2 PROJECT WITH AN AUSTRALIAN HEALTH INSURANCE

Productivity gains of 86%



VELOCITY ON 1ST GEN-E2 PILOT PROJECT WITH ENTERPRISE CLIENT (AIRLINE)

Productivity gains are at least 2x on the entire project effort



FUTURE OUTLOOK

Evolving AI Capabilities

Shifting Bottlenecks

Changing Skill Sets

Competitive Advantage





Kevin Aubry

Chief Technology Officer
PALO IT Singapore

