Case Study: Full Cycle Acceleration
with AI Copilot Agents

A large enterprise client in the highly regulated aviation industry was challenged by slow product development cycles. Two critical bottlenecks were slowing delivery: inefficient upstream planning and burdensome monthly executive reporting. The client was stuck with inconsistent manual processes across their product and engineering organizations and was a perfect candidate for automation.

The Challenge:

The client's development and governance lifecycle was plagued by two major points of friction:

1. **Upstream Planning Lag**: Product Owners spent 2-3 hours per sprint manually translating raw brainstorming inputs (from whiteboards or Miro) into structured user stories within AzureDevOps. This high cognitive load resulted in inconsistent story quality and often delayed backlog readiness.

2. **Downstream Reporting Burden:** Preparing mandatory monthly Steering Committee reports required significant manual effort to gather, validate, and summarize delivery data from disparate sources. This process was time-consuming, prone to inconsistencies, and delayed leadership visibility into product outcomes.

Our Approach: Dual-Agent Implementation

We mapped the client's development and governance lifecycle to identify lightweight and high-leverage opportunities for AI-driven transformation. We implemented two Copilot agents focused on different stages of the process:

Phase 1: AI Agent for Agile Story Creation

We implemented an AI Copilot Agent that connects directly to exported story maps to accelerate the planning phase:

- **Context Capture:** Automatically summarizes raw discussion notes, capturing key themes and context.
- **Structured Generation:** Generates features and shell stories using the client's preferred format.
- **Quality Control:** Applies **INVEST** checks (Independent, Negotiable, Valuable, Estimable, Small, Testable) to ensure clarity and appropriate sizing, outputting clean, ready-to-import text for ADO.

Phase 2: AI Agent for Monthly Reporting Automation

We established a recurring workflow that leverages Azure DevOps data to eliminate manual report drafting:

- **Automated Data Extraction:** An ADO query exports all delivered work for the last month (including Title, ID, Closed Date, Iteration, Acceptance Criteria, and Tags).
- **Outcome Summarization:** A dedicated Copilot agent consumes the ADO data and automatically generates outcome-focused summary bullets.
- **Slide-Ready Content:** Produces polished, review-ready content for Steering Committee presentations, allowing the team to focus on validation and refinement rather than manual compilation.

Results:

Metric	Before AI Agents	After AI Agents	Improvement
Backlog Readiness Time	2-3 hours per sprint	Minutes	**70% Faster**
Story Quality	Inconsistent, missing INVEST	Consistent, INVEST-Compliant	**Improved Consistency**
Reporting Cycle Time	Significant Manual Effort	Instant Creation of Inputs	**Significant Time Savings**
Data Confidence	Prone to Inconsistencies	Aligned with ADO Data	**Ensured Accuracy & Transparency**

Outcome:

The implementation of lightweight AI Copilot Agents transformed the client's workflow from planning to governance. The AI became a strategic enabler, resulting in a streamlined,

accurate, and replicable process for all major stakeholders. This shift maximized team efficiency, reduced cognitive load for Product Owners, and improved leadership confidence in the data being presented.

At F**orm100 Consulting**, we work with product and technology leaders to map value, align teams, and implement automation that truly maximizes outcomes. If you're considering automation initiatives, let's have a conversation to make sure you're heading in the right direction.