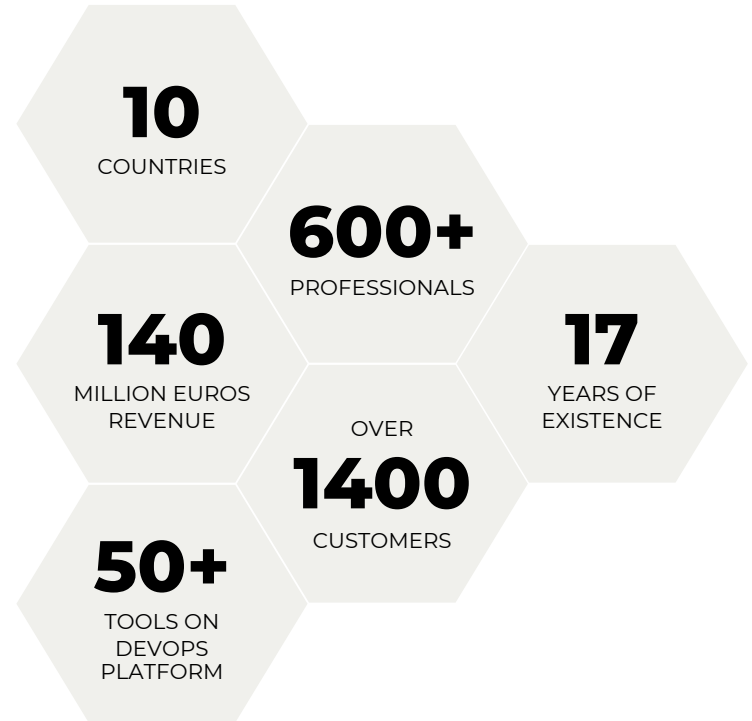


# GitHub Copilot Implementation Initiative

# About Eficode

Eficode is the leading DevOps company in Europe.

We make software development efficient, predictable, and profitable. And enable your teams to focus on delivering the value your customers need.





Accelerate time to market and value delivery through a controlled implementation of AI-assisted programming culture.

# GitHub Copilot overview



# GitHub Copilot is an AI pair programming tool

It **receives** the context of the code you are working on, **passes** it to OpenAI Codex, **suggests** code completions and snippets.

Purchased as a SaaS product,  
licensed to individuals or business,  
works as a plugin for your IDE:

- VS Code
- Visual Studio
- Neovim
- JetBrains IDEs

# GitHub Copilot Techniques

Amount of different techniques are growing rapidly, several companies investing into exploring these possibilities.

- *Auto-complete on steroids*: Work like you used to, but much faster.
- *Prompt through comments*: Leave a trace of documentation and utilise BDD practices
- *Create code through tests*: Utilise TDD practices and improve quality
- *Evaluate solution choices*: Rotate suggestions of the same prompt and learn about different techniques



# Eficode GitHub Copilot Implementation

# Eficode transforms organizations at all levels

Strategy

## Build AI-driven strategy



Assessments and implementation roadmaps



Initiatives and piloting AI-driven development

Delivery

## Transform your organization



Implementing AI Co-Piloting in the R&D organization



Competence development

Operations

## Tooling and infrastructure



Eficode ROOT - Tooling as a Service



DevOps Platform solutions



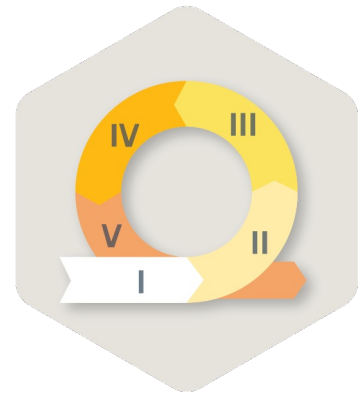
# GitHub Copilot: Implementation Initiative

Focus on testing Copilot's capabilities:

1. Define baseline metrics for performance, productivity and quality
2. Set up Dev-environment and install the GitHub Copilot extension
3. Choose developers with different skill levels for the project
4. Write code or tests, test results functionality, evaluate results
5. Make sure you reach project objectives, including demonstrating Copilot's ability to generate useful code and learning possibilities
6. Identify any limitations or areas for improvement, and determine if Copilot can measurably help your development
7. Review GitHub and Co-pilot licensing options and the feasibility to the organisation



**GitHub**  
Copilot



# GitHub Copilot Implementation Initiative project

eficode

Eficode Proposal

## Overview:

Eficode's expert(s) will work with your developers to test, verify and validate the concept of AI-assisted programming with GitHub Copilot.

The Implementation Initiative is done to find out what are the guidelines, guardrails and benefits of this technology.

The pricing is dependent on the complexity of your environment and the scale of the developers included in the project from your side.

## Deliverables / outcomes:

- Guidelines for development teams to use Copilot in their daily work
- Guardrails for usage to avoid security and privacy issues
- List of KPIs / metrics to track productivity & quality of software development going forward
- Report of project completion and potential iteration suggestion

## Pricing:

3 workshops and related preparation and follow-up work:

**12,000 €/workshop (excl. VAT)**

\*(Customer specific pricing, agree when the exact scope is defined)

## Schedule:

Work performed as workshops according to customer's schedule.

Each workshop should have max. 6 participants

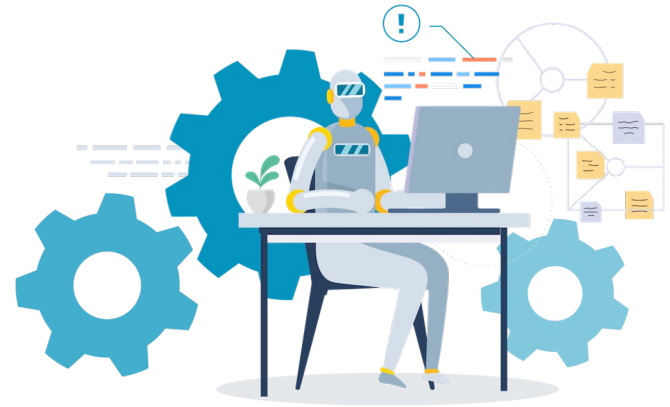
# Topics related to AI assisted development

- Legality, liability and IPR related topics
  - Ensure you comply with any legal or regulatory requirements and you have the right to use the code produced by AI-assisted work
- Governance and compliance
  - An agile governance framework should be in place to guide and protect in the fast-paced AI advancements
- Security and privacy
  - Risks, mitigation and incident handling with focus on alignment and improvement of company security policies
- Development teams skills and training
  - Understand how to interpret and use the results produced by the AI -powered tools - and what are the pitfalls
- Testing and validation
  - Test and validate AI-assisted tools to ensure that they are secure and don't create surprises when used



# AI related tools and technologies policy

- Every company should have a policy in place for AI related tools and technologies
- The principal objectives of a policy are to:
  - Establish a common base of understanding of AI assisted development
  - Cultivate interest to further develop AI assisted development practices
  - Setup and communicate good practices around the use of these technologies
  - Provide tool level insights and guidance to the use of AI assisted tools in the users' daily work
  - Be general and evolvable to stay up-to-date with innovations happening in the market.



# Thank you!

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[www.eficode.com](http://www.eficode.com)