

AGENTIC SWE MEETUP HAMBURG #1 / 28.01.2026

# Wie KI-Agenten

die Softwareentwicklung  
nachhaltig verändern werden.



**INNOQ**



**TORBEN KELLER**  
CONSULTANT

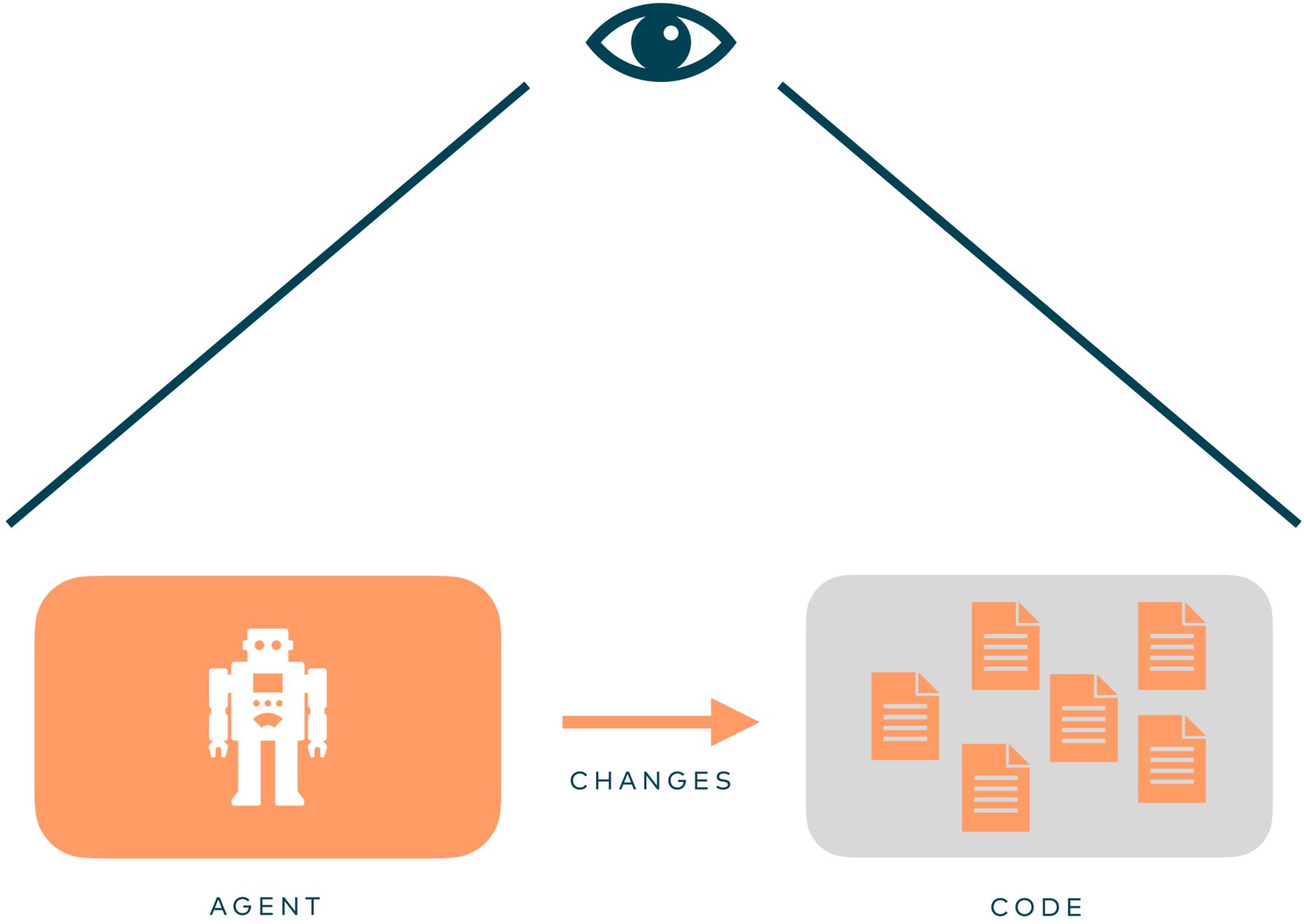
# *Agenda*

- Coding Buddy
- Flow Efficiency
- Take Ownership of AI-Code
- The Agent Harness
- The Vision
- What does this mean for us?

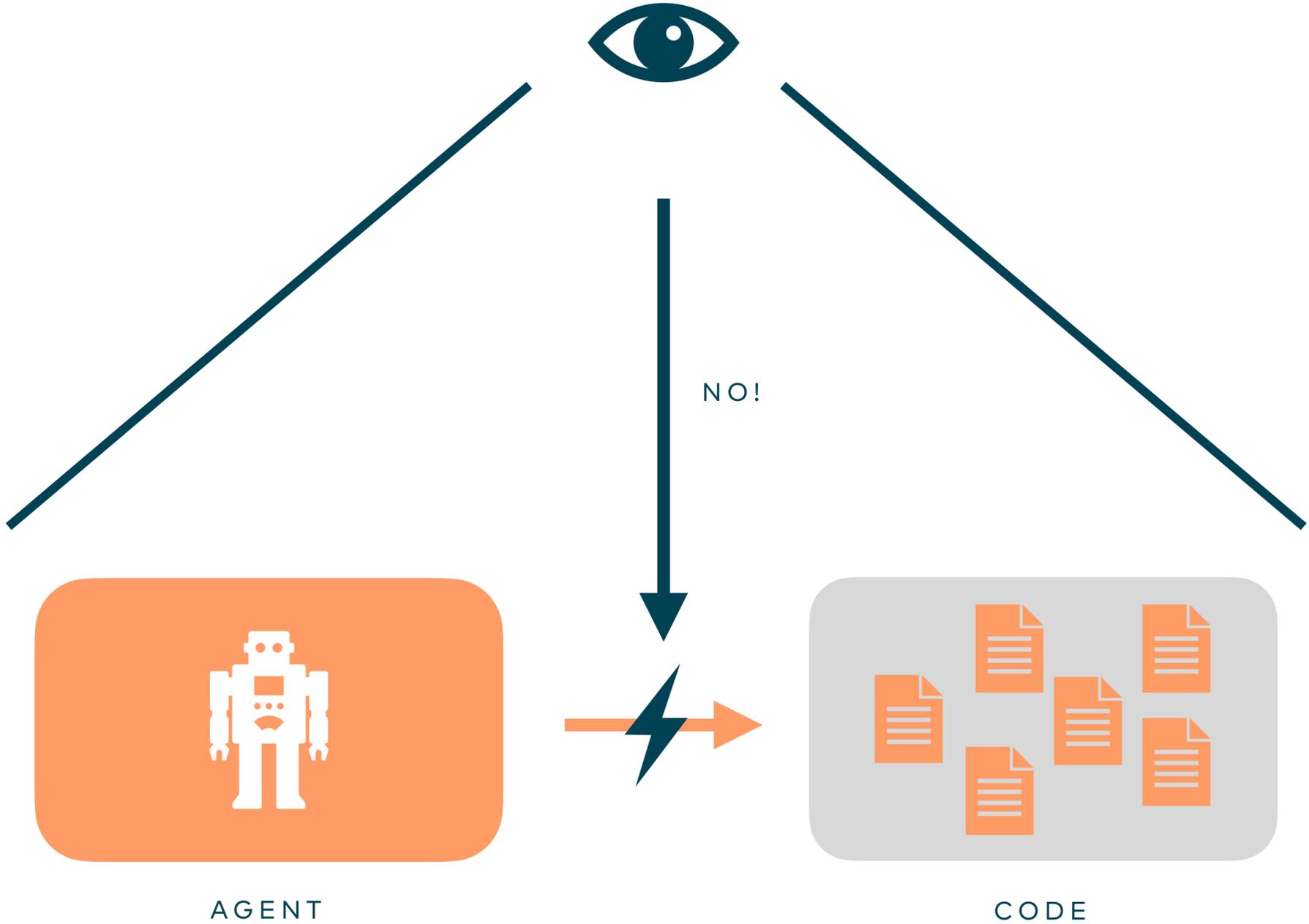
# **The agent as a** *Coding Buddy*



# Coding Buddy



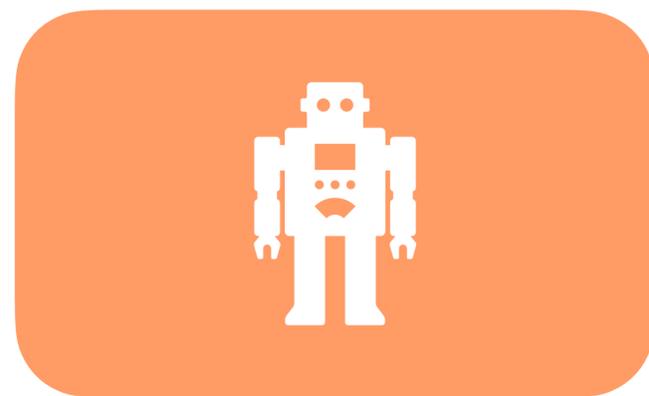
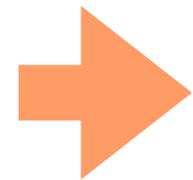
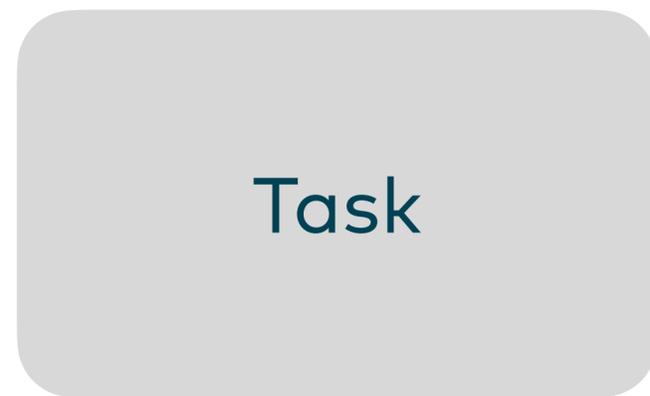
# Coding Buddy



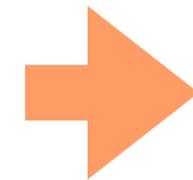
**We are not seeing the**  
*10x Boost*



# *Allow more autonomy*



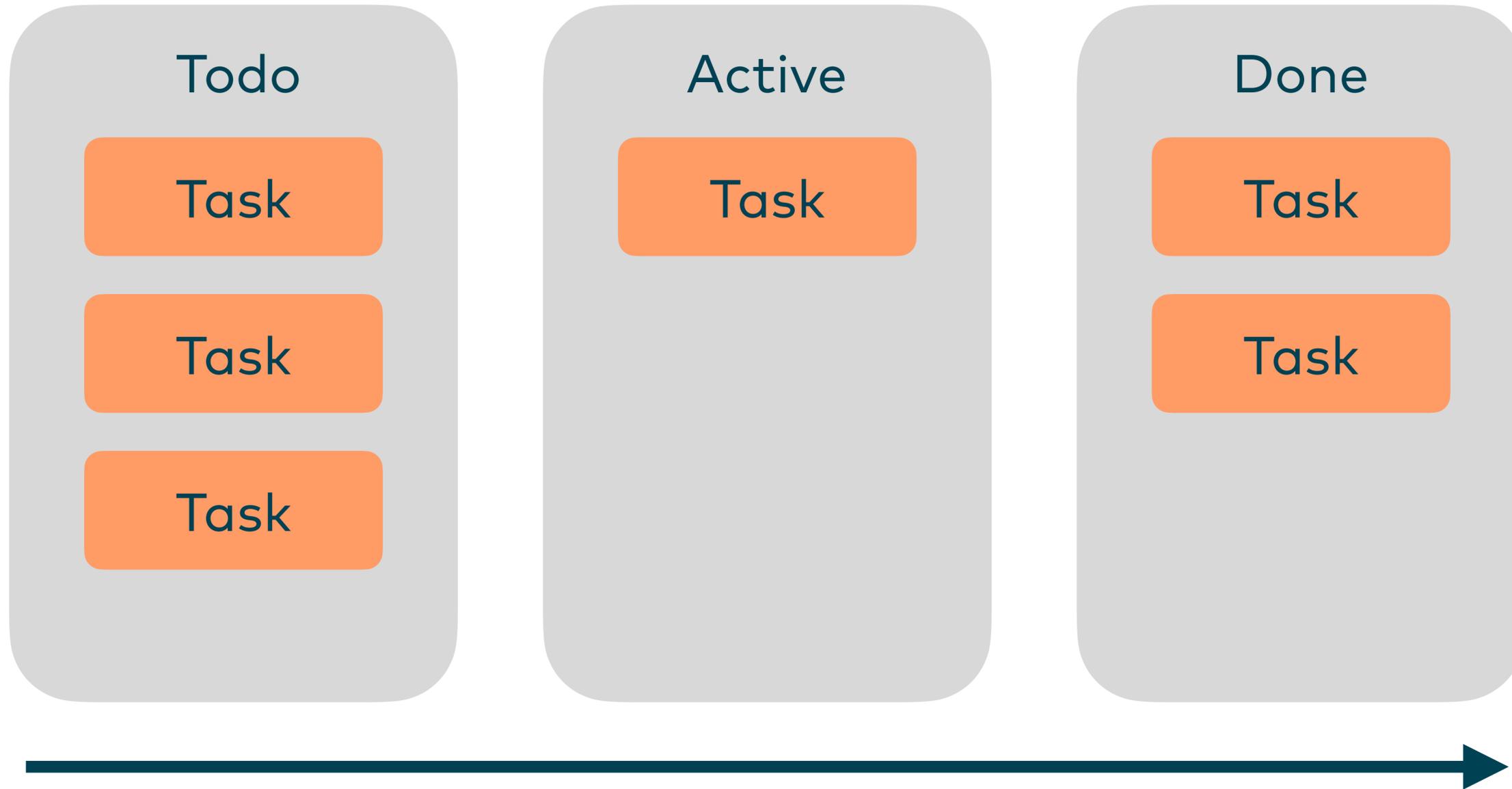
AGENT



MERGE REQUEST



# *Flow Efficiency*



Flow Efficiency

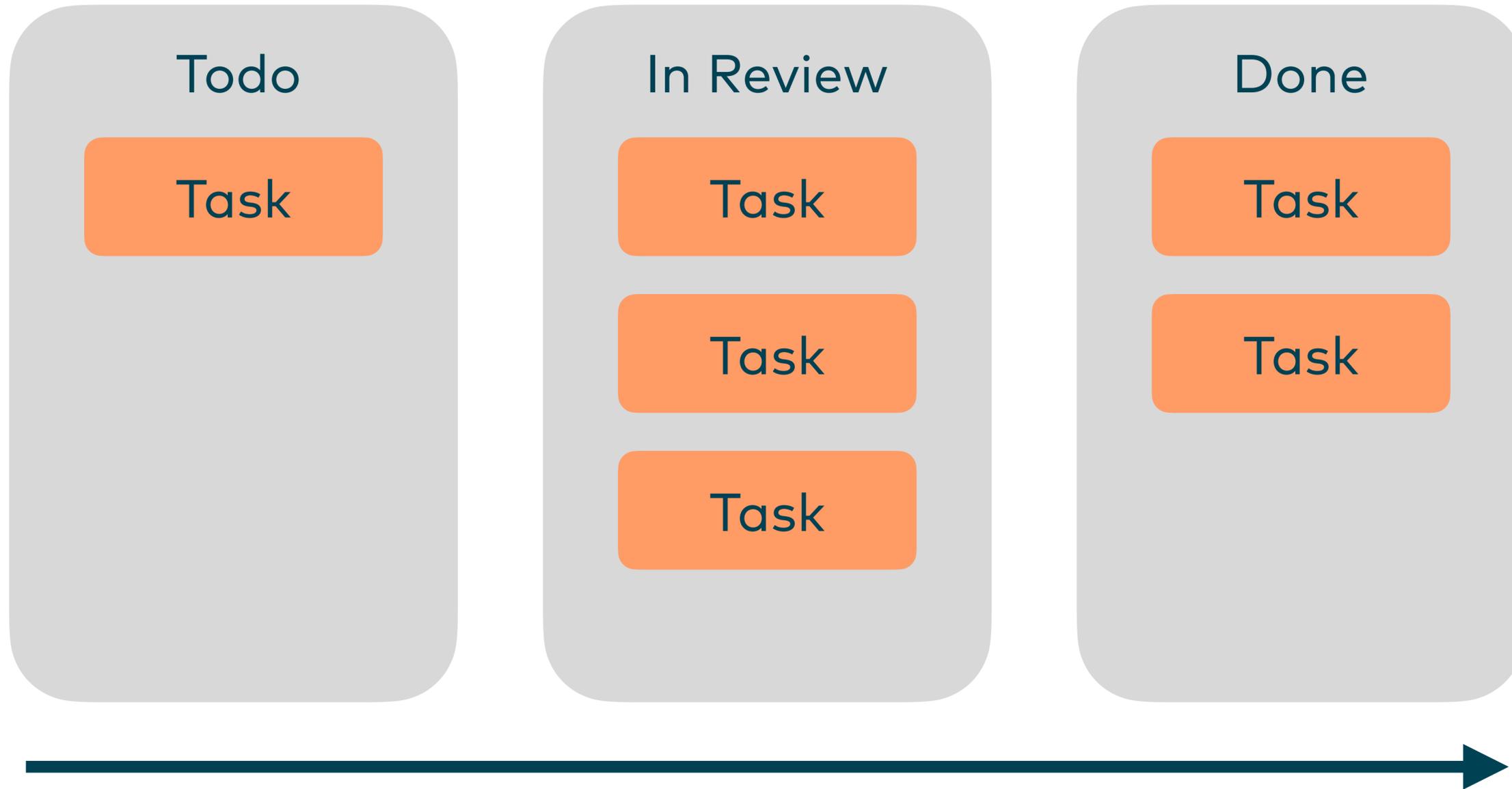
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$$\frac{\text{Active Time}}{\text{Total Time}}$$

**Most teams**  
*15-25%*



# *Flow Efficiency with AI*



**We can *not* review  
all code anymore.**





**How can we take  
*ownership of AI-Code*  
then?**

# *How about Legacy?*

In Legacy systems we work with code we don't know

But we developed methodologies to still maintain those systems

**Same as with AI agents**

# *Maintaining Legacy*

Reviews

Self-Healing  
Systems

Requirements

Infrastructure as  
Code

Architecture  
Verification

Linting

Security  
Audits

Modularization

Documentation

Automated  
Tests

Monitoring



**We must build an**  
*Agent Harness*  
**around this.**

# *1. Requirements*

Product Requirement Documents (PRD)

Epics

User Stories

Subtasks

Personas

User Journeys

...

# *2. Documentation*

Makro- & Micro-Architecture

Specification

UX-Architecture

Design Guidelines

...

# 3. *Architecture*

Decide for an Architecture

Verify the Architecture with tests

Prohibit cyclomatic dependencies

Make use of Architecture Patterns

...

# 4. *Code Quality*

Linters

Formatters

Static Code analysis tools

**Provide Feedback on that**

# *5. Automated Tests*

Unit Tests

Integration Tests

Contract Tests

Consumer Driven Contract Tests

UI-Tests

End-To-End Tests

# 6. *Reviews*

Automated AI-Reviews

Merge only if the AI says: LGTM

# 7. *Canary Releases*

Merge everything to main

Automatically create releases

Rollback if something went wrong

# 8. *IaC*

Docker Compose

Kubernetes

Terraform

Crossplane

...

# 9. *Security*

Threat Modeling

Static Application Security Testing

Dynamic Application Security Testing

Dependency Tracking

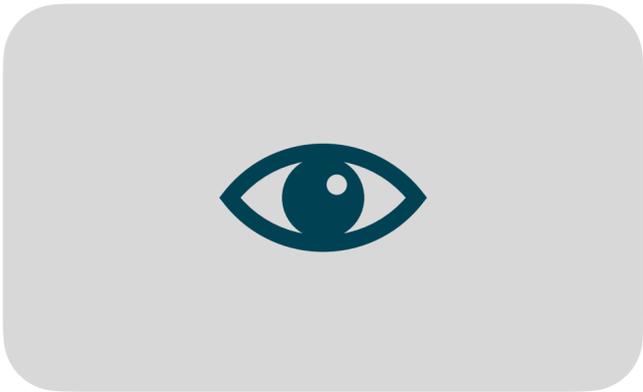
S-BOMs

Supply Chain Security

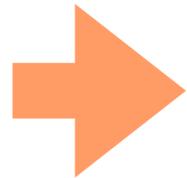
**This enables usage of**  
*autonomous agents.*



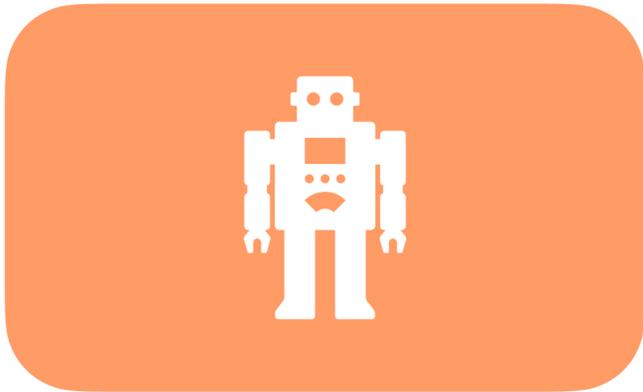
# *What becomes possible*



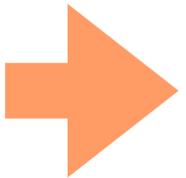
MONITORING



ALERTS



AGENT

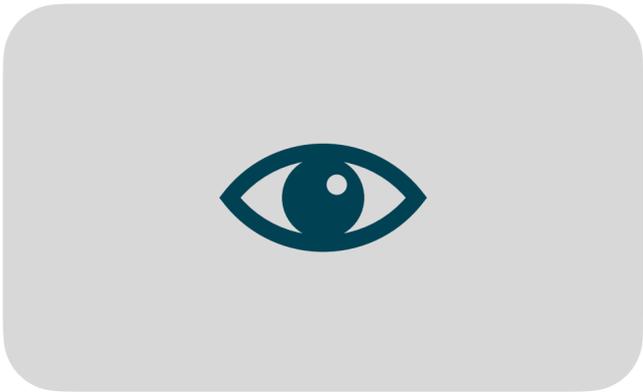


FIXES

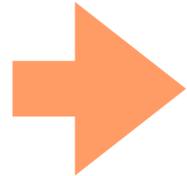


SYSTEM

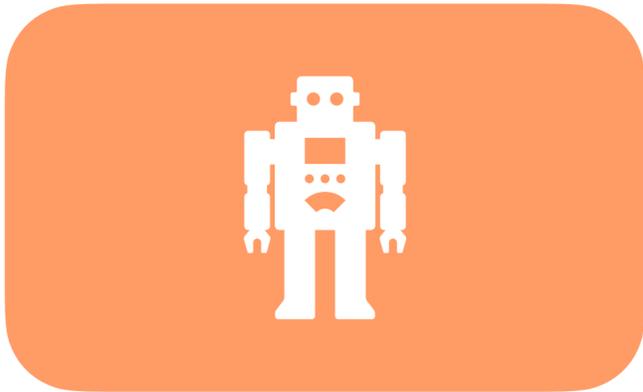
# *What becomes possible*



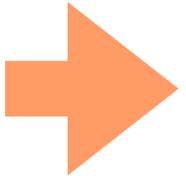
CUSTOMER



ALERTS



AGENT



FIXES



SYSTEM

# *What does this mean?*

Not using AI will be no option. Opportunity costs are too high.

We can only use the full potential of agents if we accept not reading every line of code.

Just doing tickets will not work anymore. Agents can do that. We must understand the business and let the agent do the right things.

# *What does this mean?*

In the beginning we will steer the agent and build an agent harness. This means less coding, more reviews.

Later on we will do more architecture work on a higher level. The agents will execute that. Planning becomes even more important.

*New Training*

# Agentic Software Engineering



Code: MEETUP20

# Thank you! Questions?



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