ThoughtWorks®

Meetup

BUILDING A HIGH QUALITY PRODUCT

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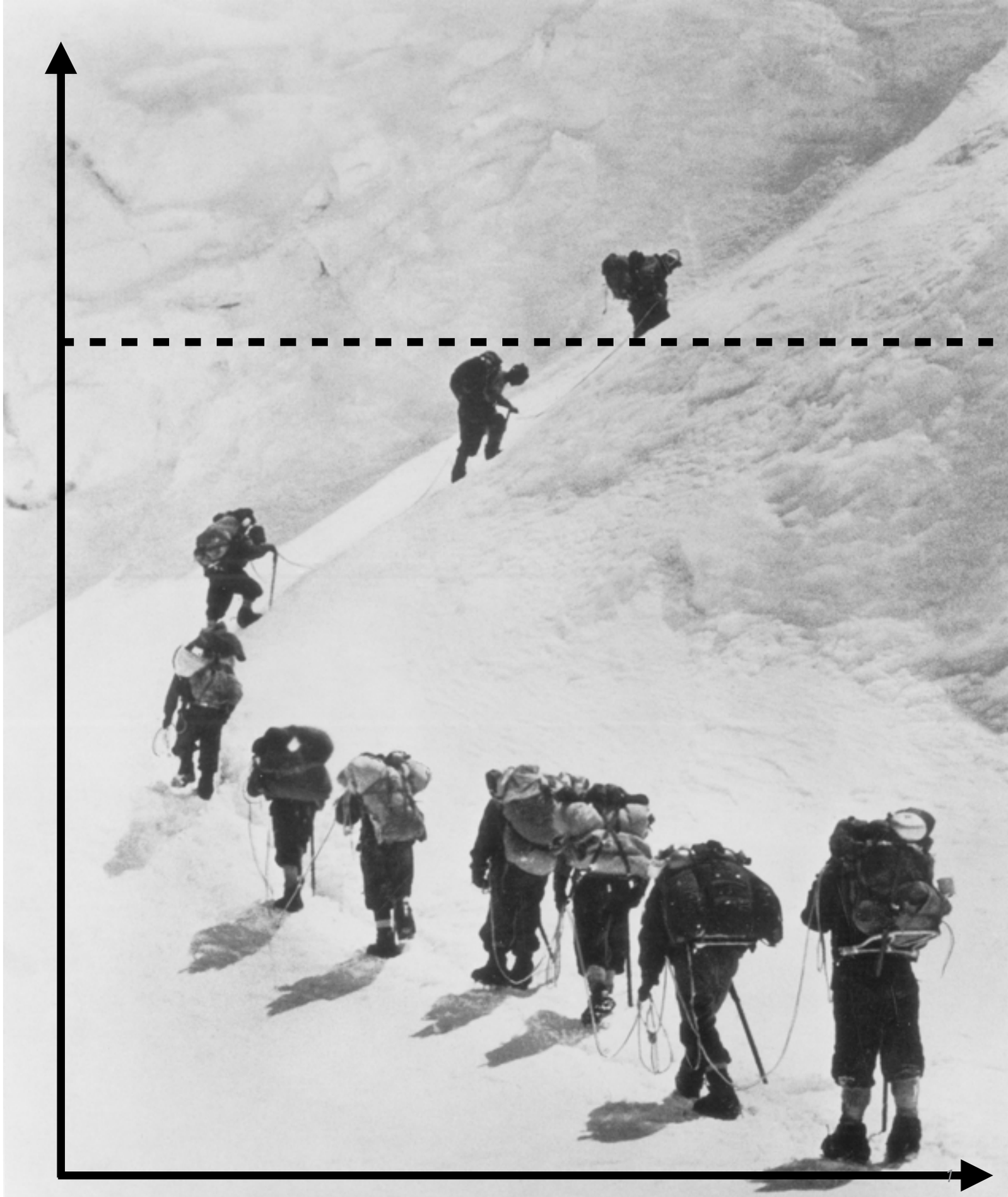
www.lor.beer



TECHNOLOGY MAKES EVERYTHING EASIER

TYPICAL APP

complex
easy
business
logic

complex
codebase

complex
database

3rd Party

unknown
system

OPTION 1: TEST MORE

Test Planning

Test Case Management

Test Data Management

Test Execution

Test Documentation

OPTION 2: REWRITE

“but this time we do it properly”
Raffi Krikorian (twitter)

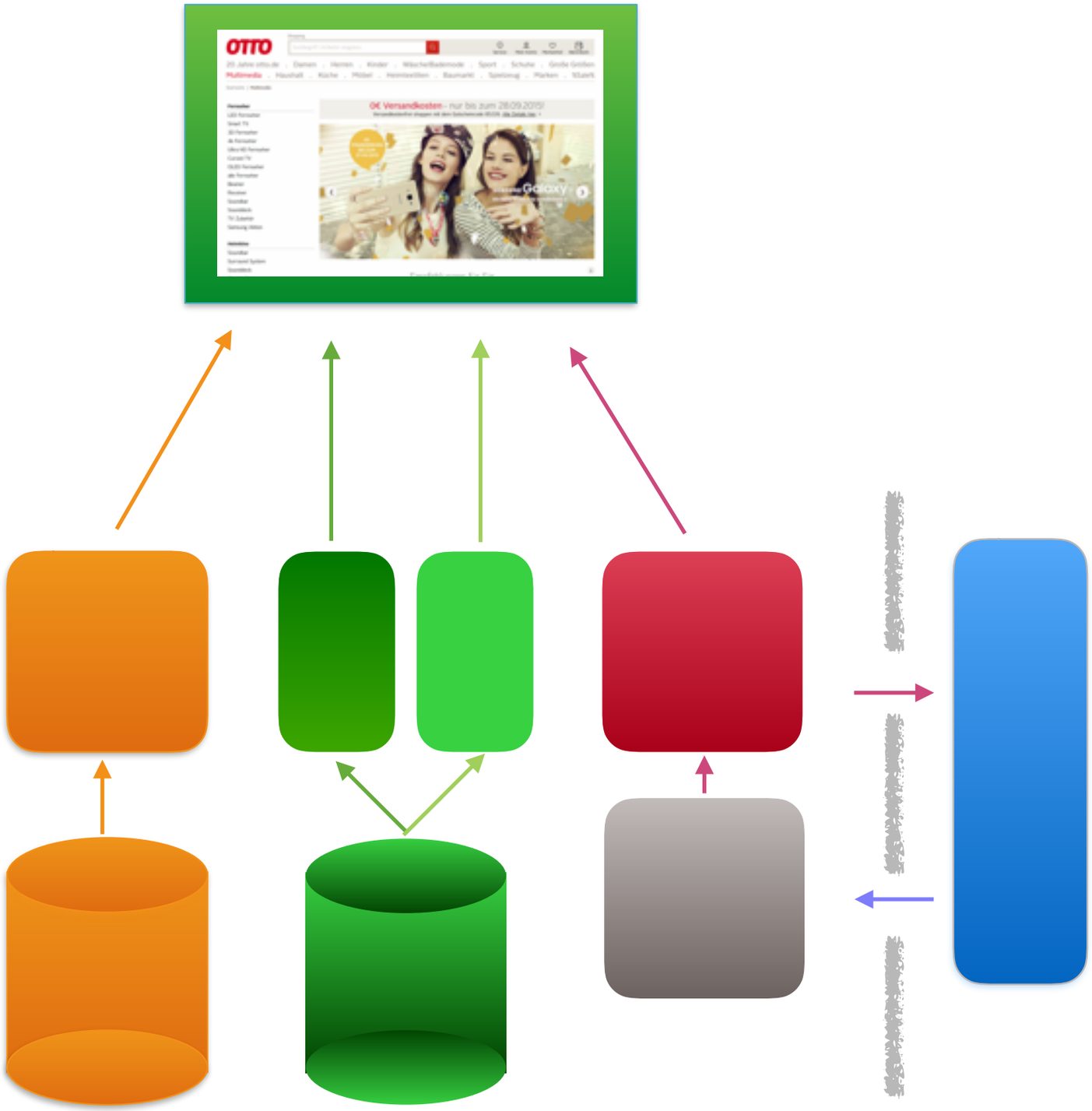
OPTION 3: TRY STH ELSE

accept: bad things do happen

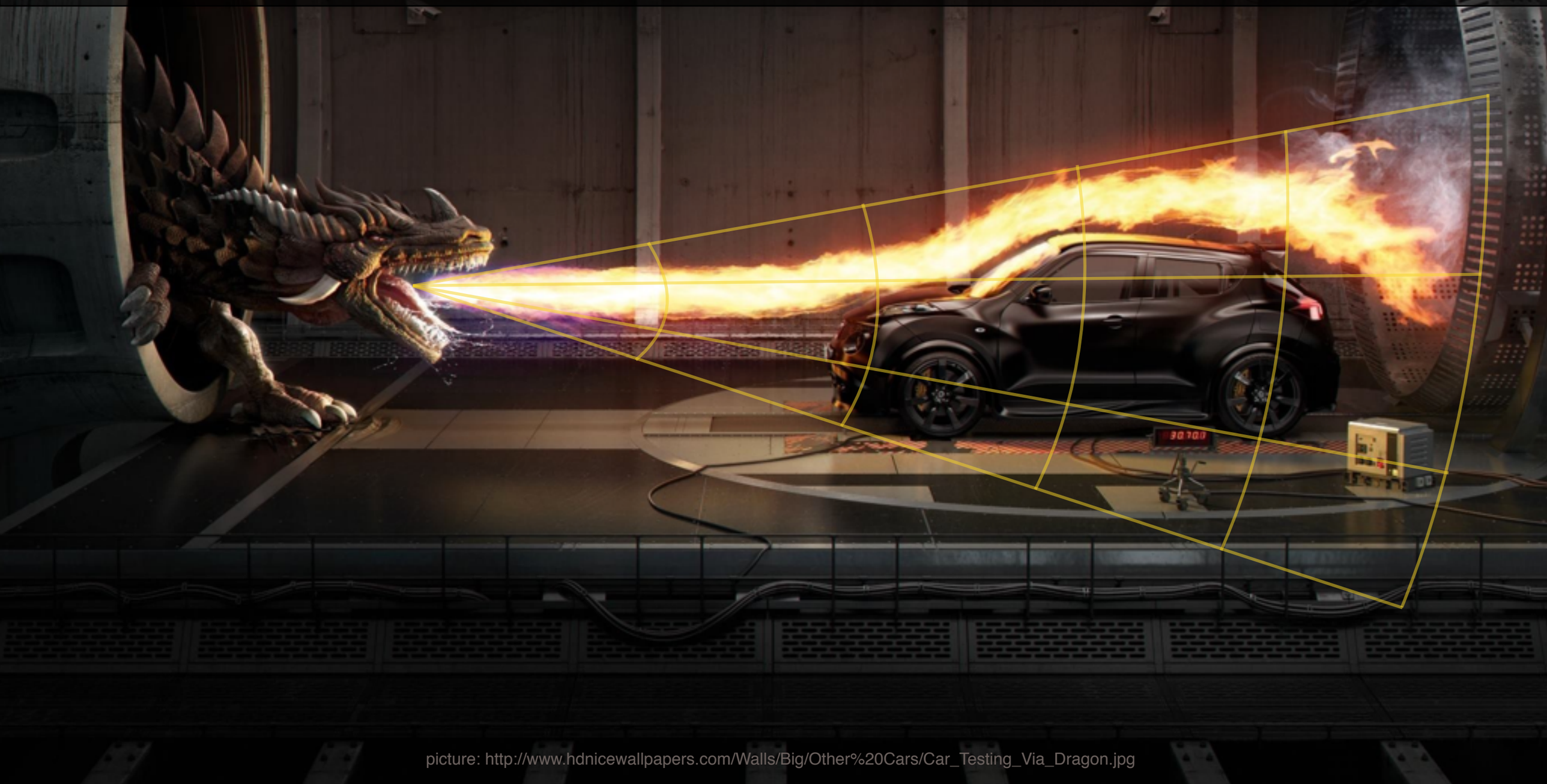
accept: you cannot plan for them

- make the effect as small as possible

MICROSERVICES

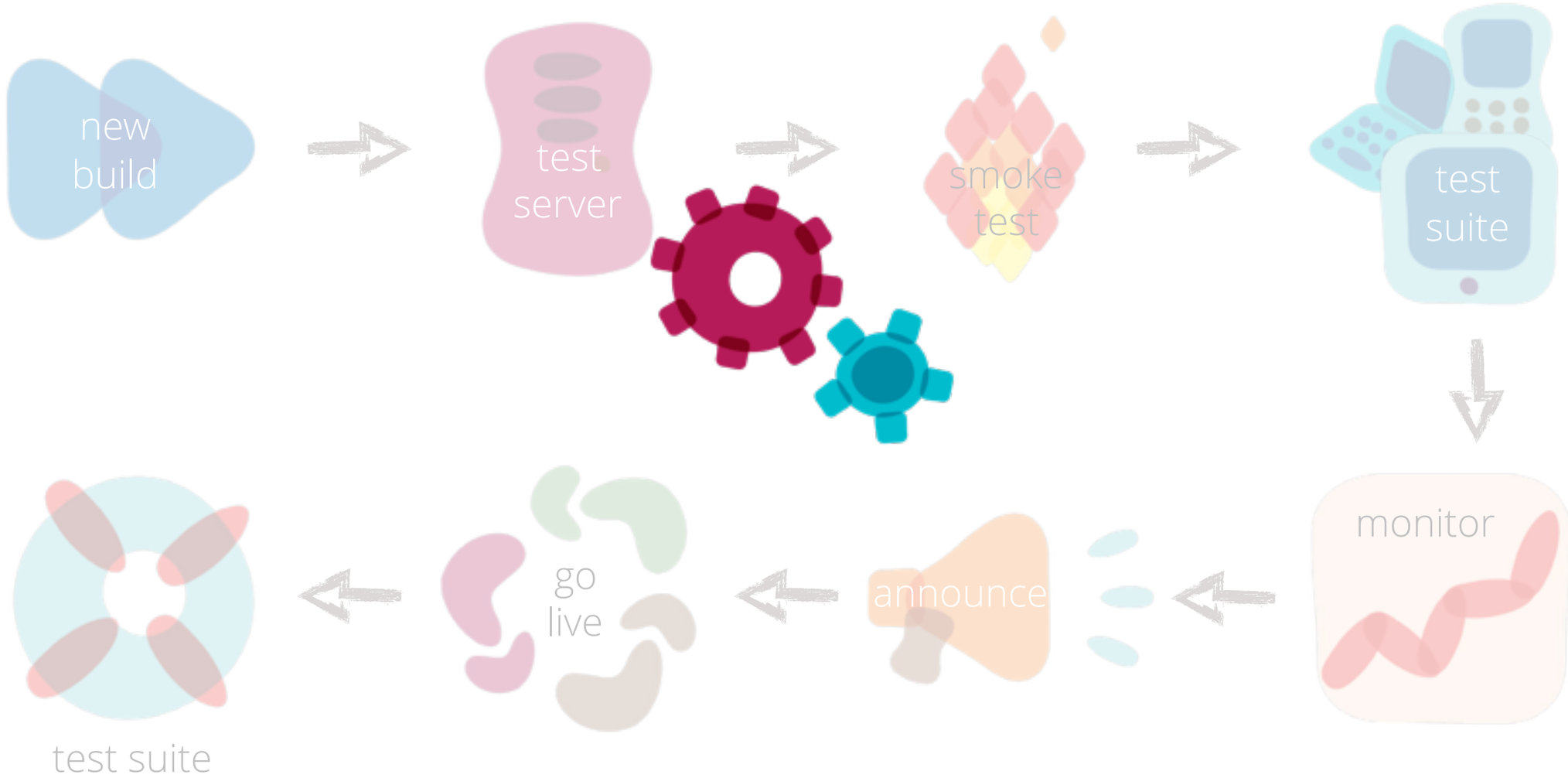


TESTING ITSELF DOES NOT IMPROVE QUALITY



picture: http://www.hdnicewallpapers.com/Walls/Big/Other%20Cars/Car_Testing_Via_Dragon.jpg

MANAGING TESTS



LEVEL UP

BUILDING A HIGH QUALITY PRODUCT

CONT. DEPLOYMENTS

GATEKEEPER

sequential deploys

release only in business hours

do not deploy on holidays

github.com/otto-de/gatekeeper

LINEUP

automated design testing

github.com/otto-de/lineup

LAMBDA CD

build pipeline

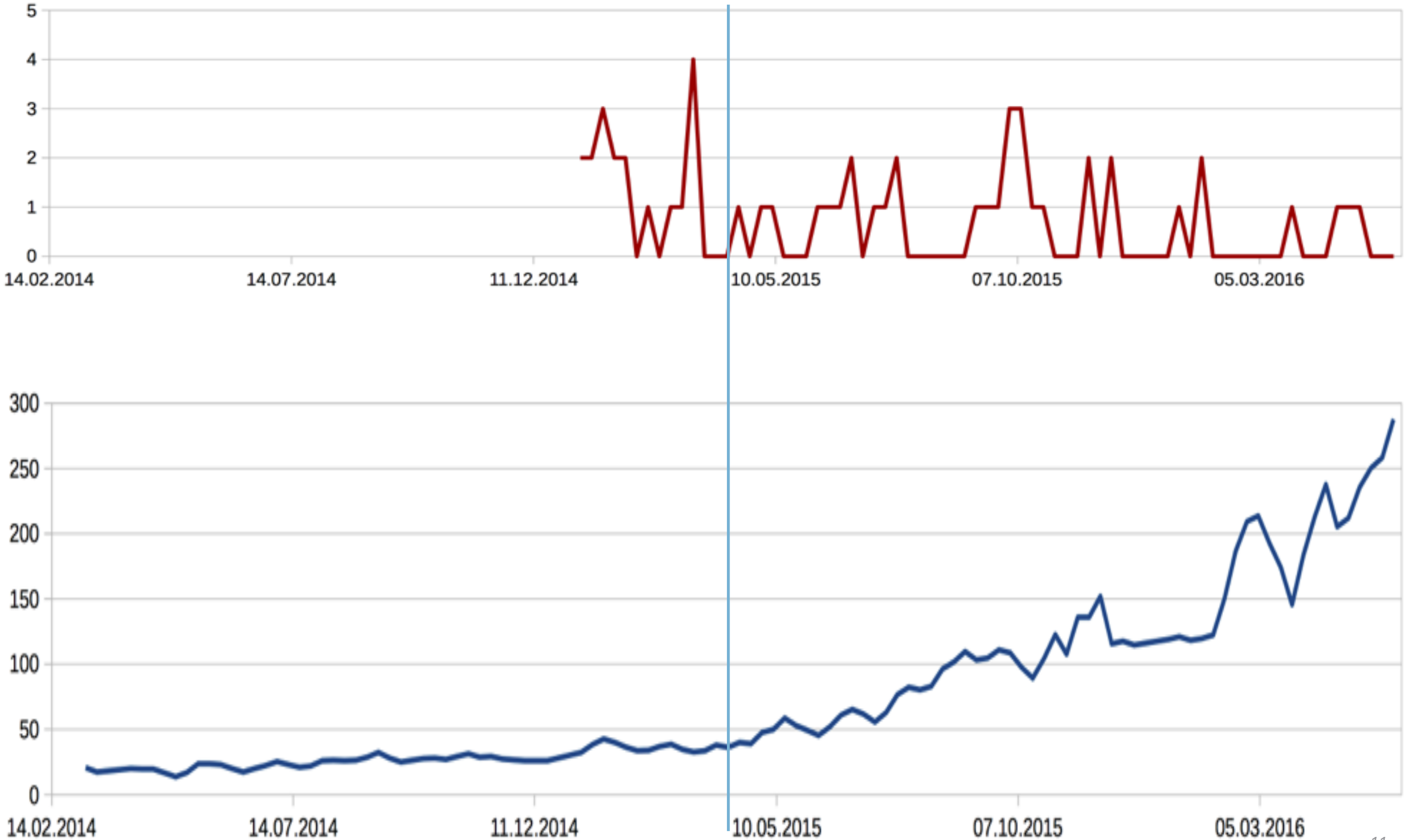
pipeline as code

testable

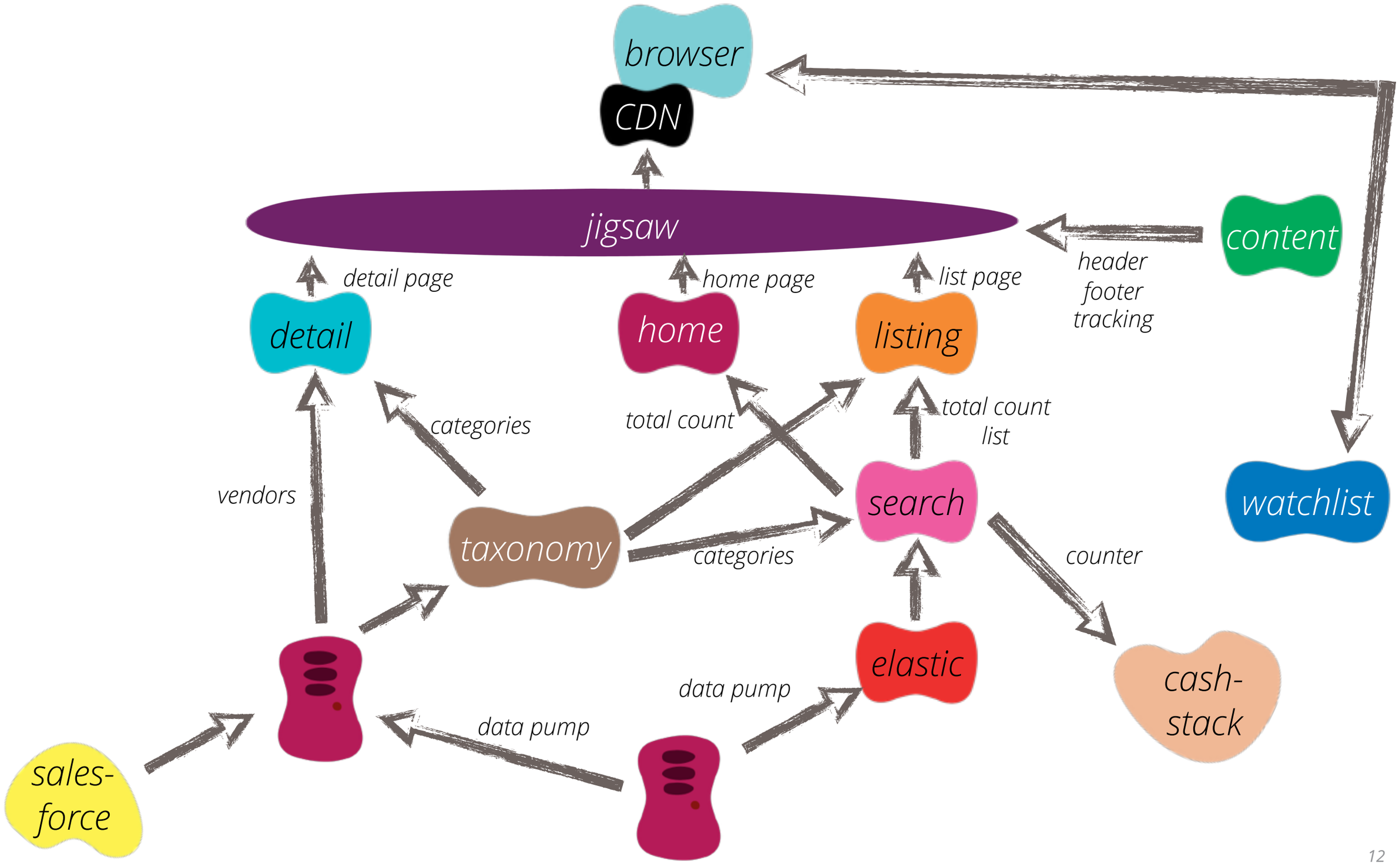
www.lambda.cd

NOW ALL OPEN SOURCE

CONT. DEPLOYMENTS

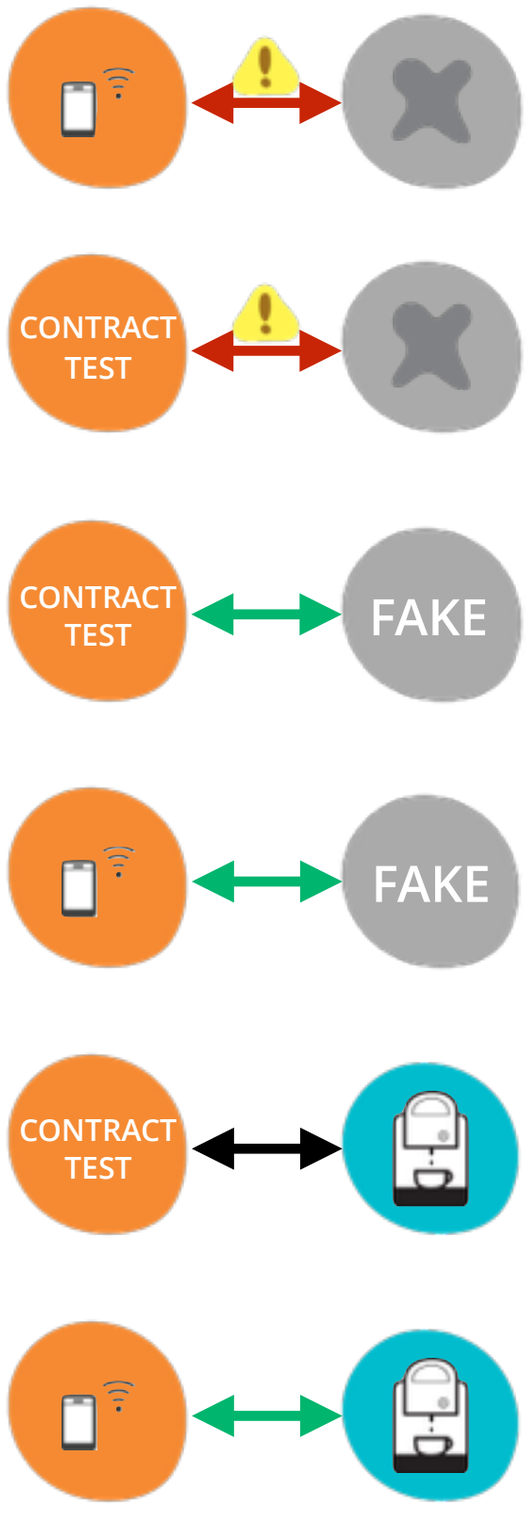


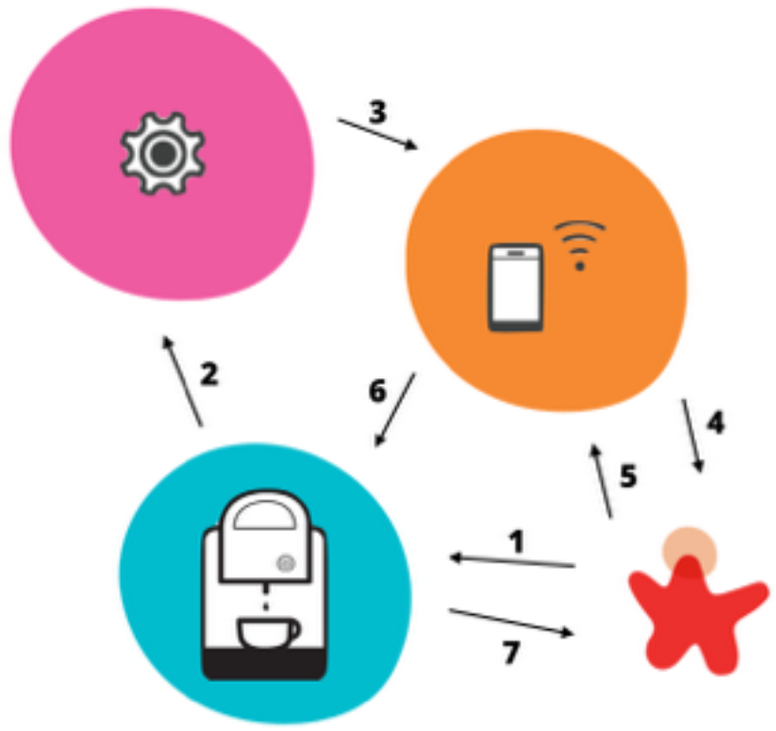
LEARN FROM PRODUCTION



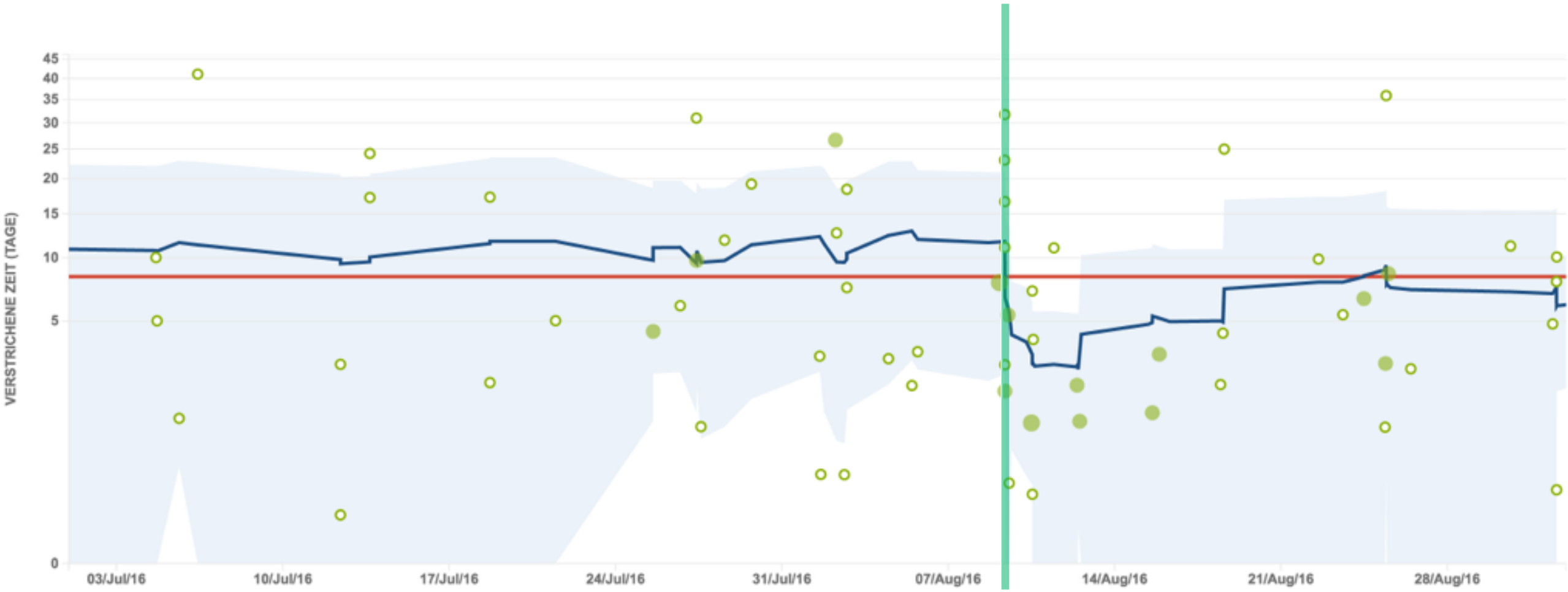
LEARN FROM PRODUCTION

CONTRACT TESTING

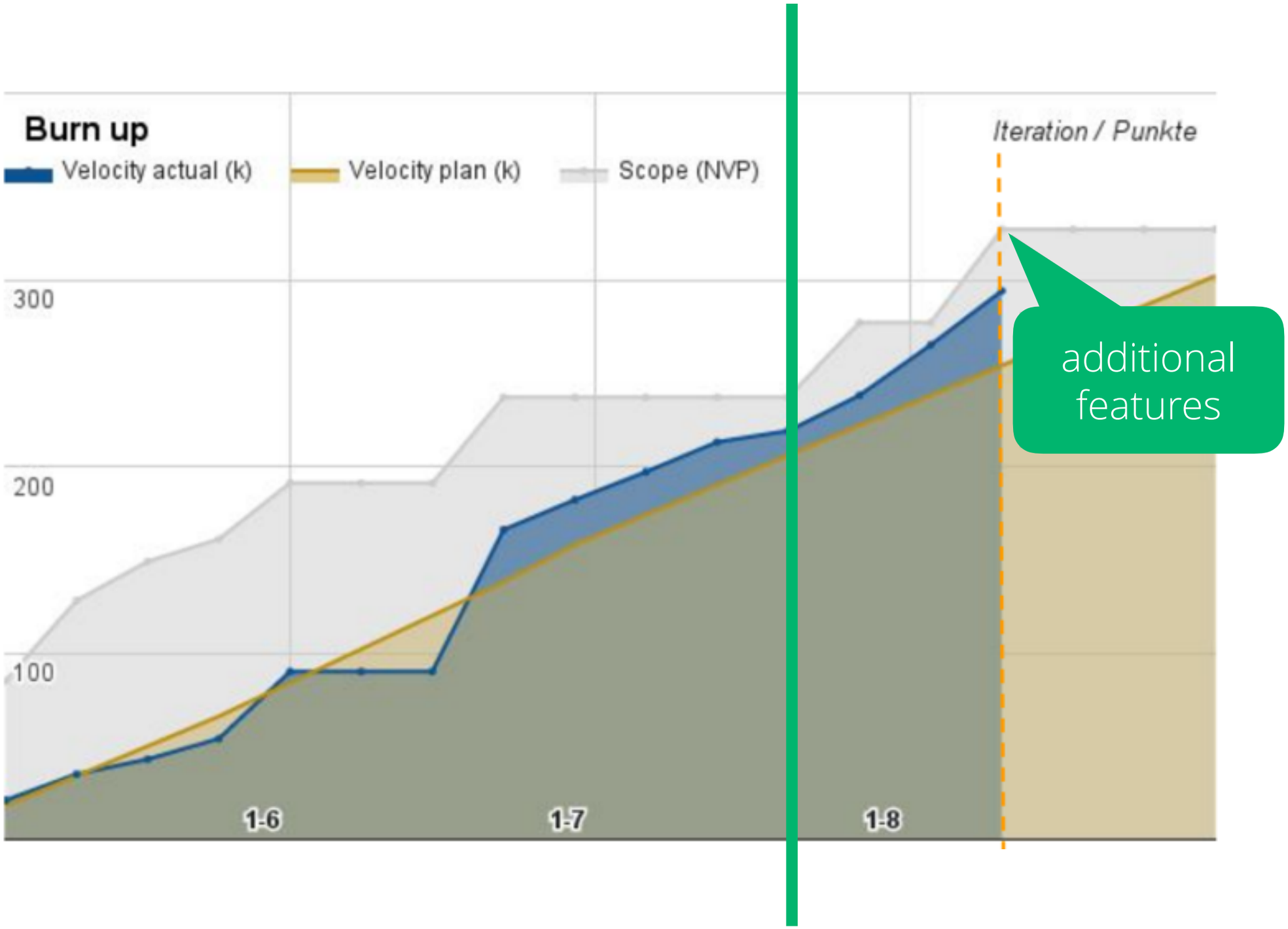




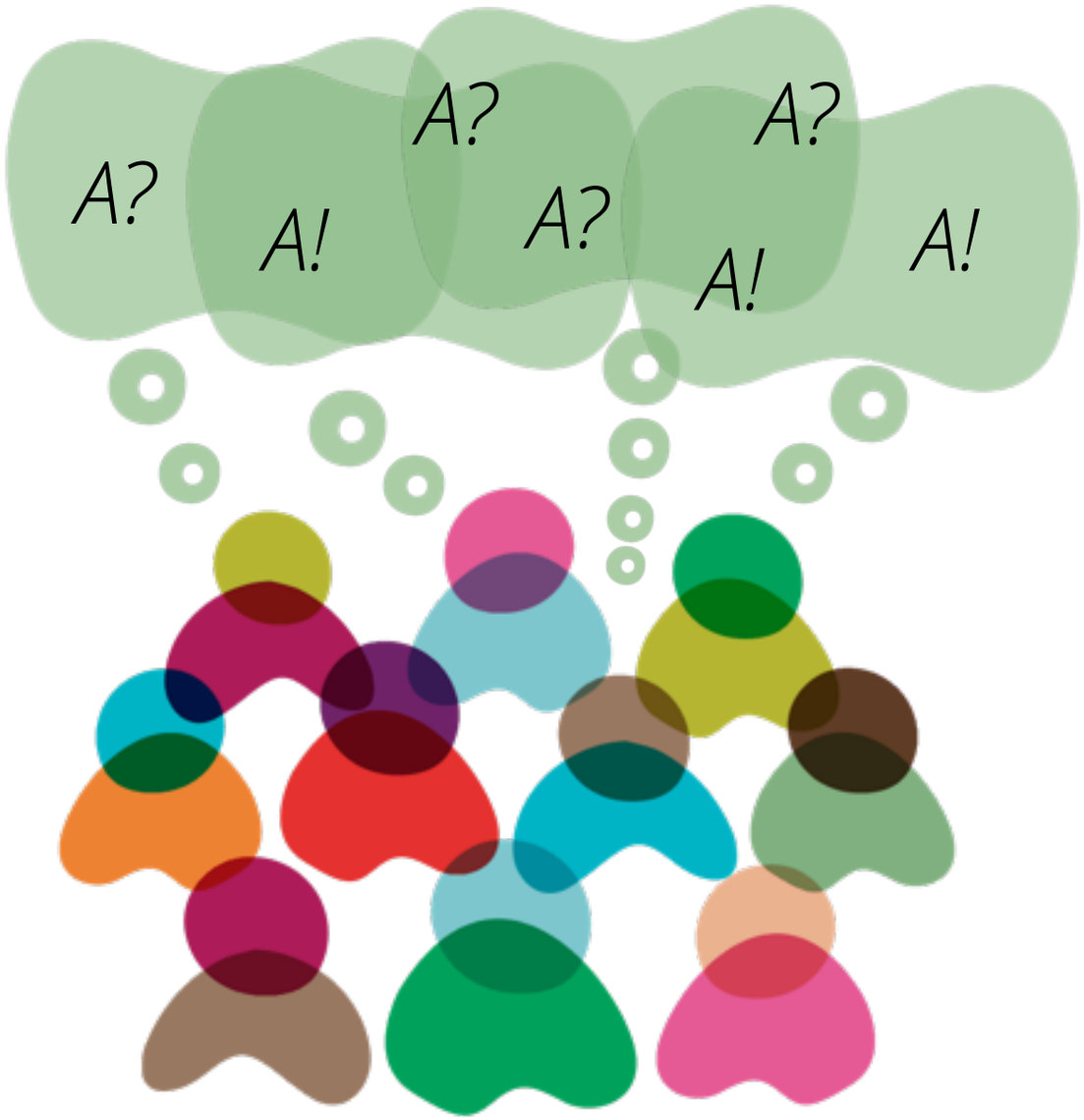
WORK LEAN


VERSTRICHENE ZEIT (TAGE)
45
40
35
30
25
20
15
10
5
0
03/Jul/16
10/Jul/16
17/Jul/16
24/Jul/16
31/Jul/16
07/Aug/16
14/Aug/16
21/Aug/16
28/Aug/16

WORK LEAN


Burn up
Velocity actual (k)
Velocity plan (k)
Scope (NVP)
Iteration / Punkte
300
200
100
1-6
1-7
1-8
additional features

EVALUATE ALTERNATIVES



CHANGE WHAT YOU DO

~~process~~

~~technology~~

culture

QUALITY IS NOT

testdata

testing

QUALITY IS

DATA

data sources

data modelling

observations & hypothesis

migrations

testdata

storage

BUSINESS

business model/case

user value

communication

requirements
clear & feasible

future/present/past

PROCESS

Pipeline:
continuous
integration/deployment

Working Priorities

Lean workflow
(Scrum/Kanban)

Meetings, Standups,
Board usage

ENGINEERING

pairing

code reviews

architecture

analysis:

- testing
- syntax check
- monitoring

TEAM

roles

capabilities

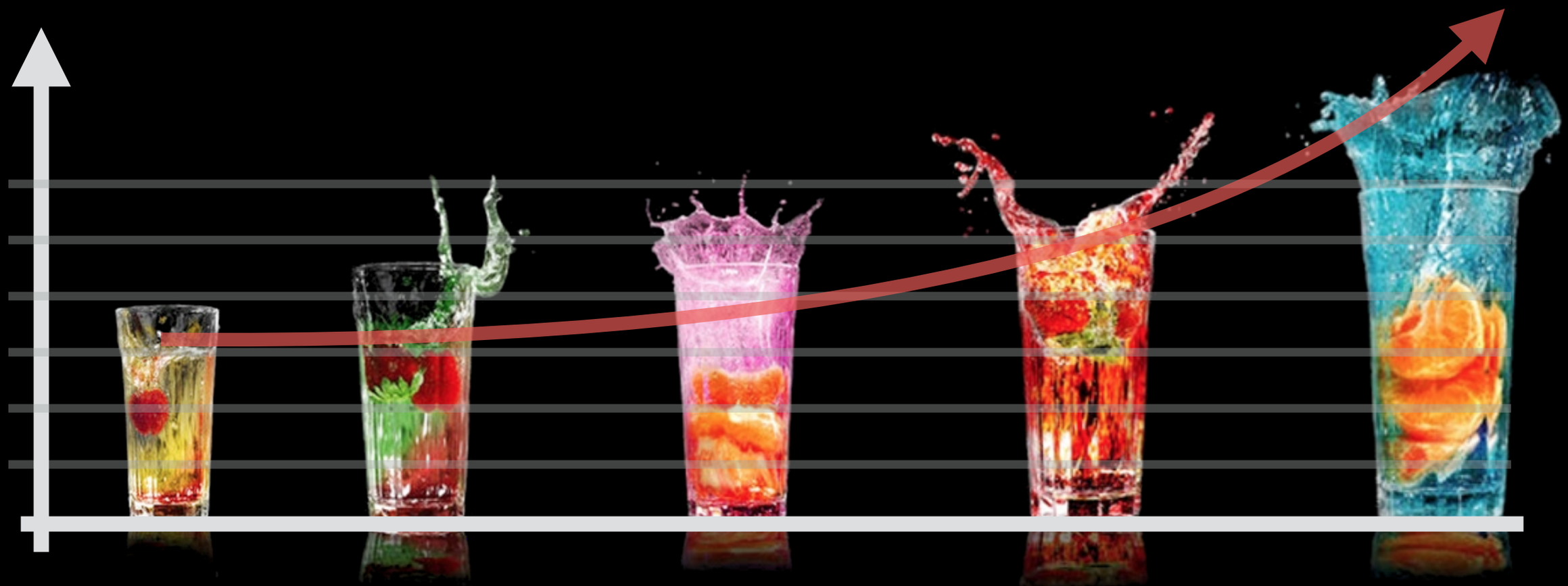
feedback

security

(validated) learning

culture

SUMMARY: LEVEL UP



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FOCUS

Quality Culture
over
Tools and Automation

FOCUS

Thank you for your attention.

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