

People Behind the Testing Tools and Frameworks

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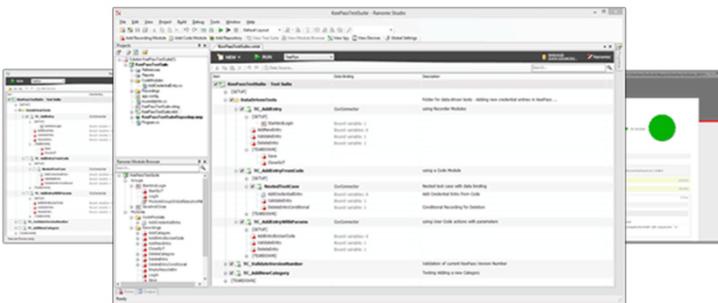


Who we are...
... Ranorex Mission

Focus: Functional UI Test Automation



Ranorex Studio



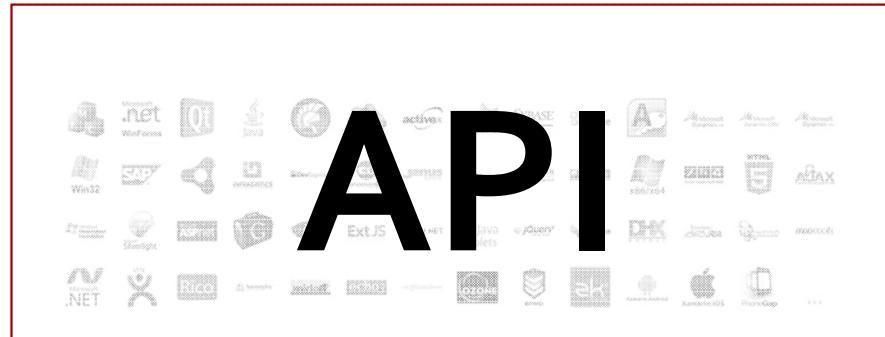
Hudson



Jenkins



Team Foundation
Server 2013



Application Technologies



Windows Server 2012
Windows 8
Windows 7
Windows Server 2008



IE
Firefox
Chrome



aqua

spiraTeam



Quality Center

Visual Studio:
Microsoft Test
Manager

TestShell
TestBench

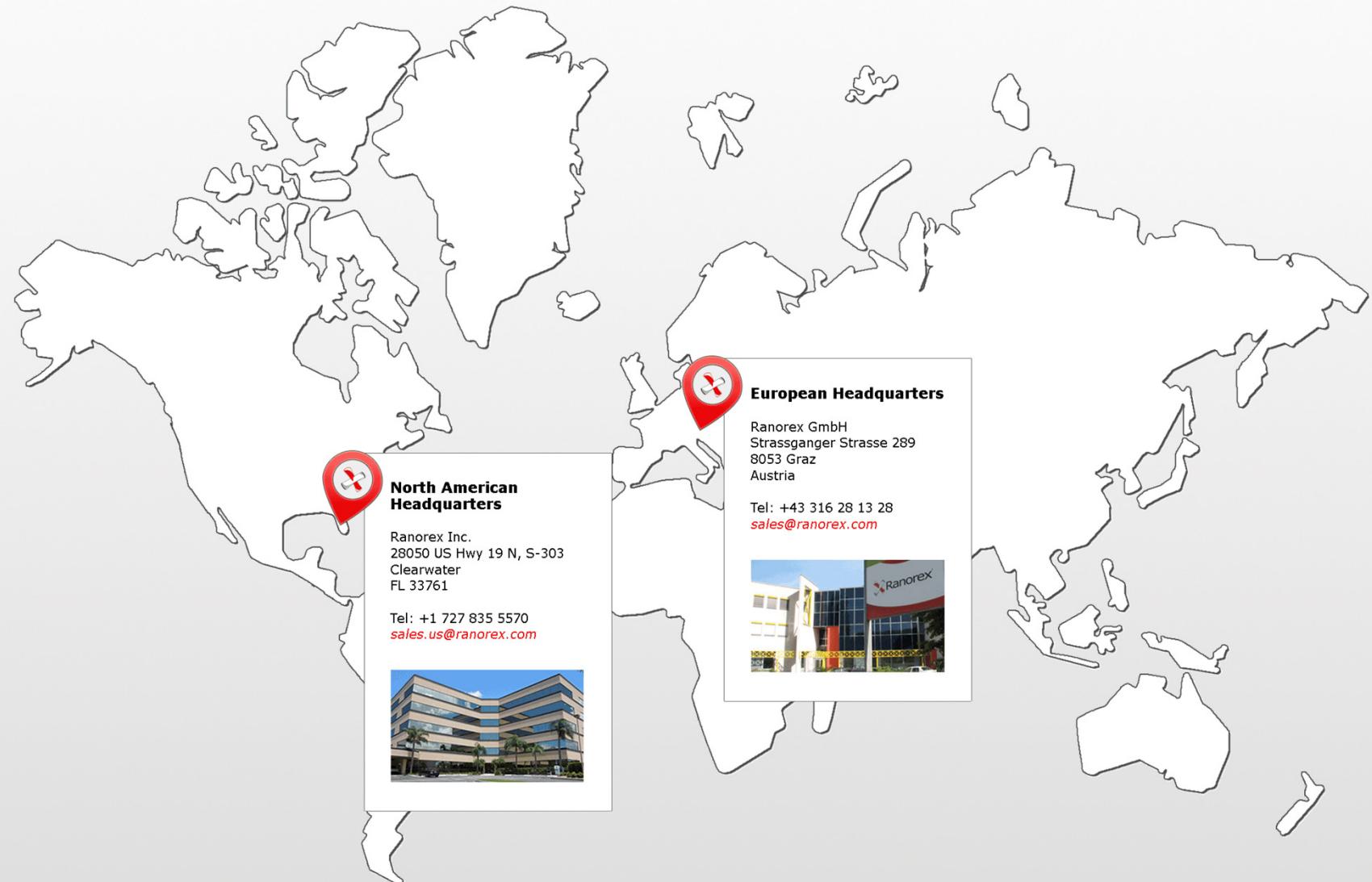
2,000+ Customers

10,000+ Users



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Ranorex Offices



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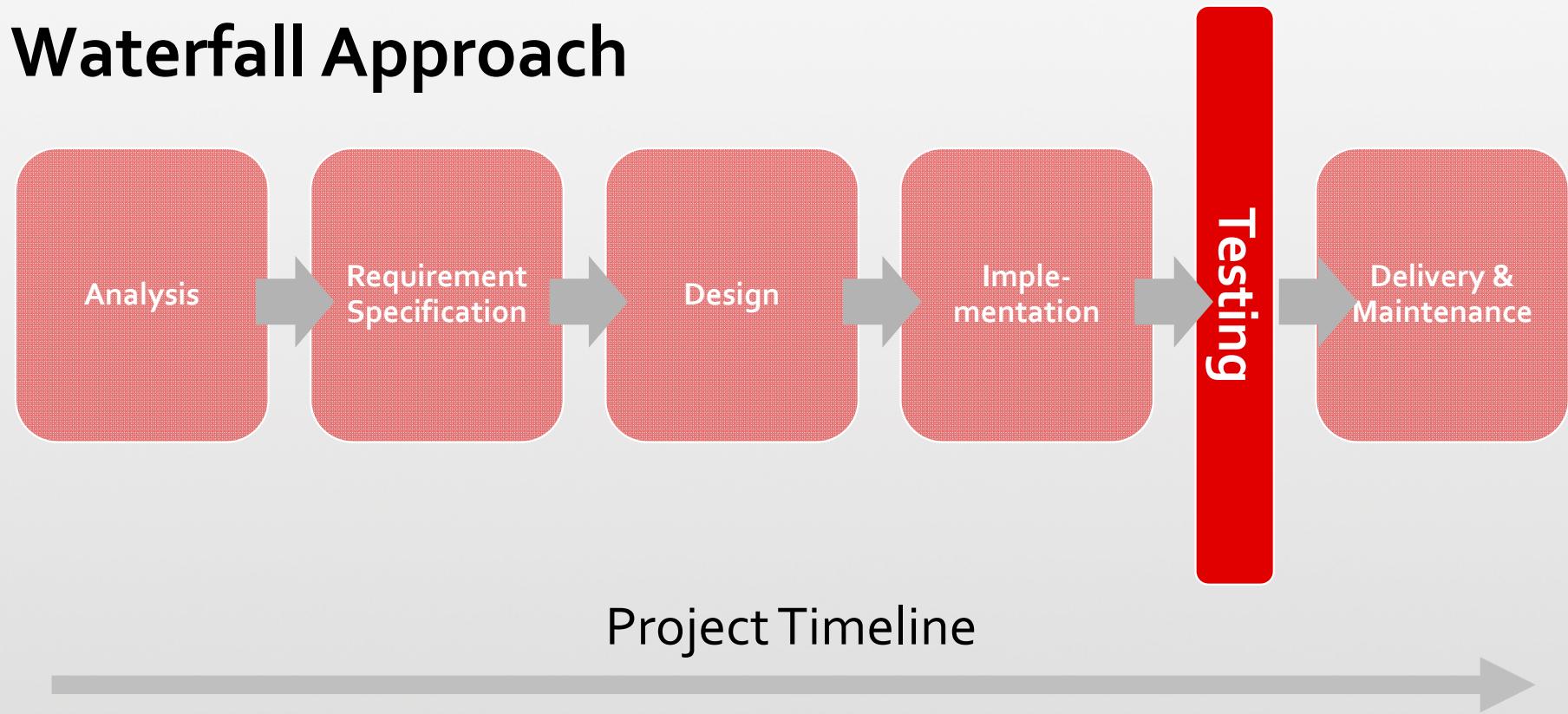
Ranorex Mission



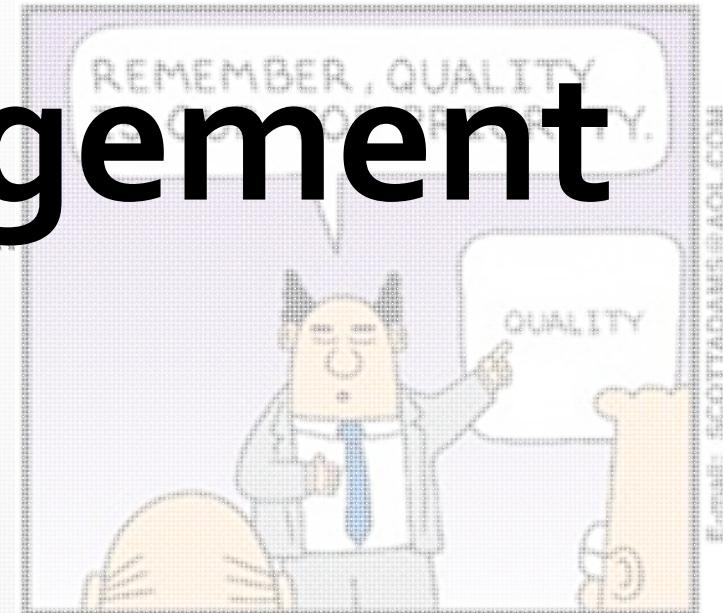
“Enable testers rising to meet their everyday challenge of automated testing.”

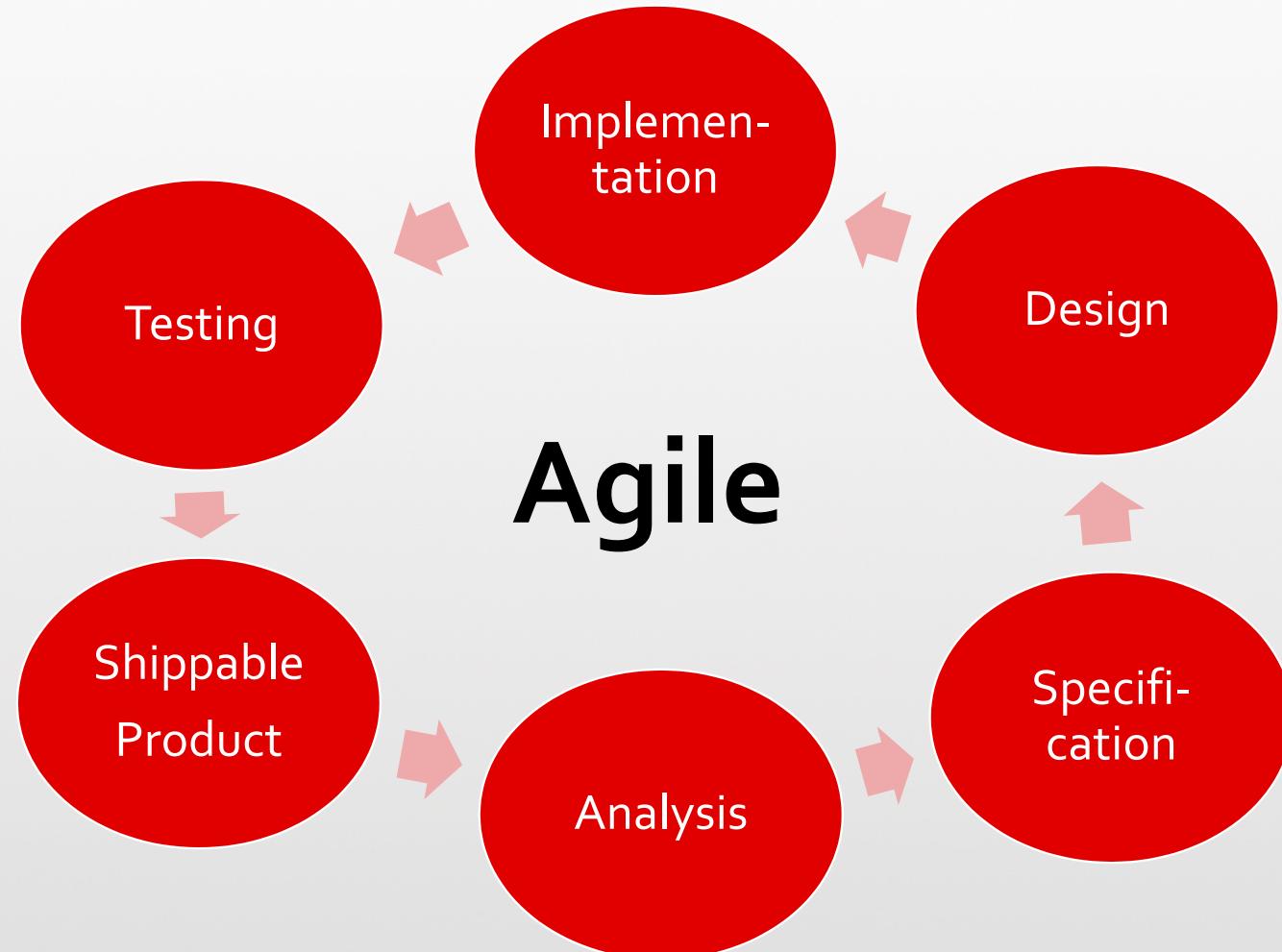
Drivers for Test Automation

Waterfall Approach

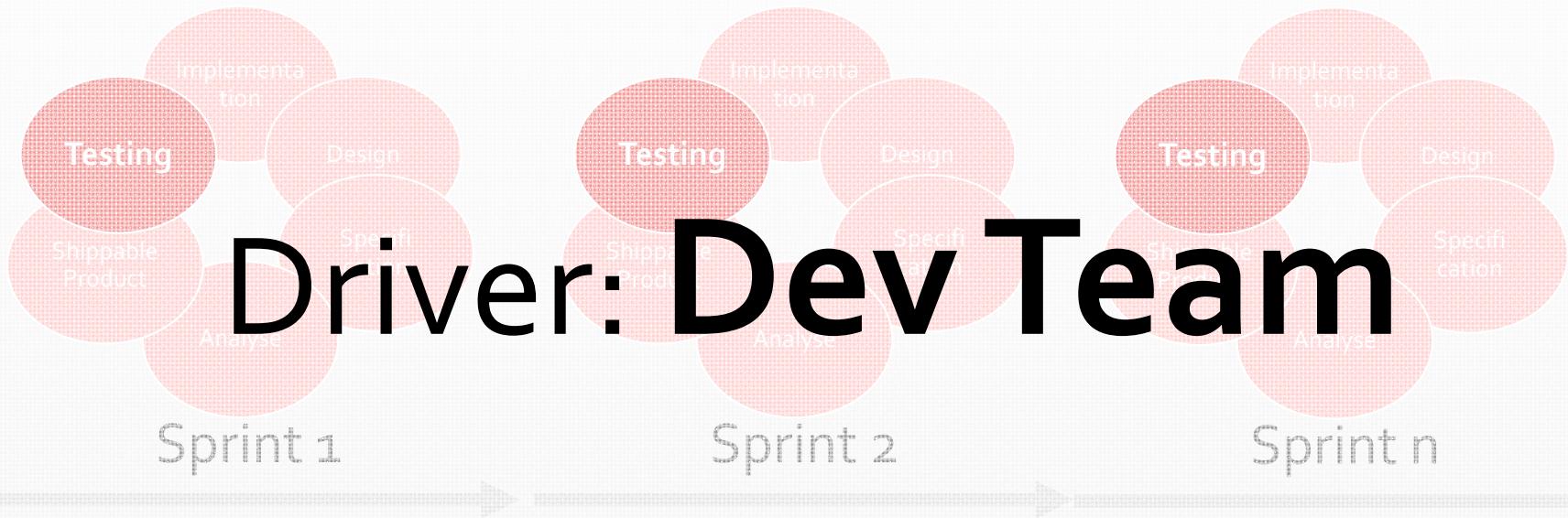


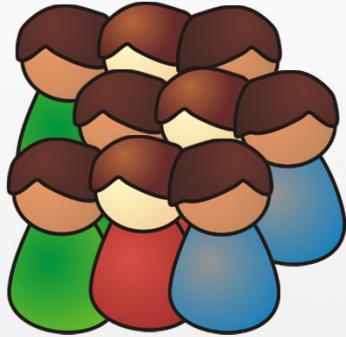
- » Software is already delivered
- » Bad quality feedback from client
- » „We haven't tested well enough...
- » ...because of time pressure"
- » „No time? – Automation Helps!"





Agile Approach





Release Manager

Software Architect

Support Engineer

Development Lead

Test Director

Test Analyst

Test Engineer

Product Manager

Test Automation Specialist

Test Manager

Team Lead Automation

Project Manager

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Roles Between Two Extremes?



← → *User Base*

Domain Tester

Waterfall/V-Model

„Water-gile“

Agile

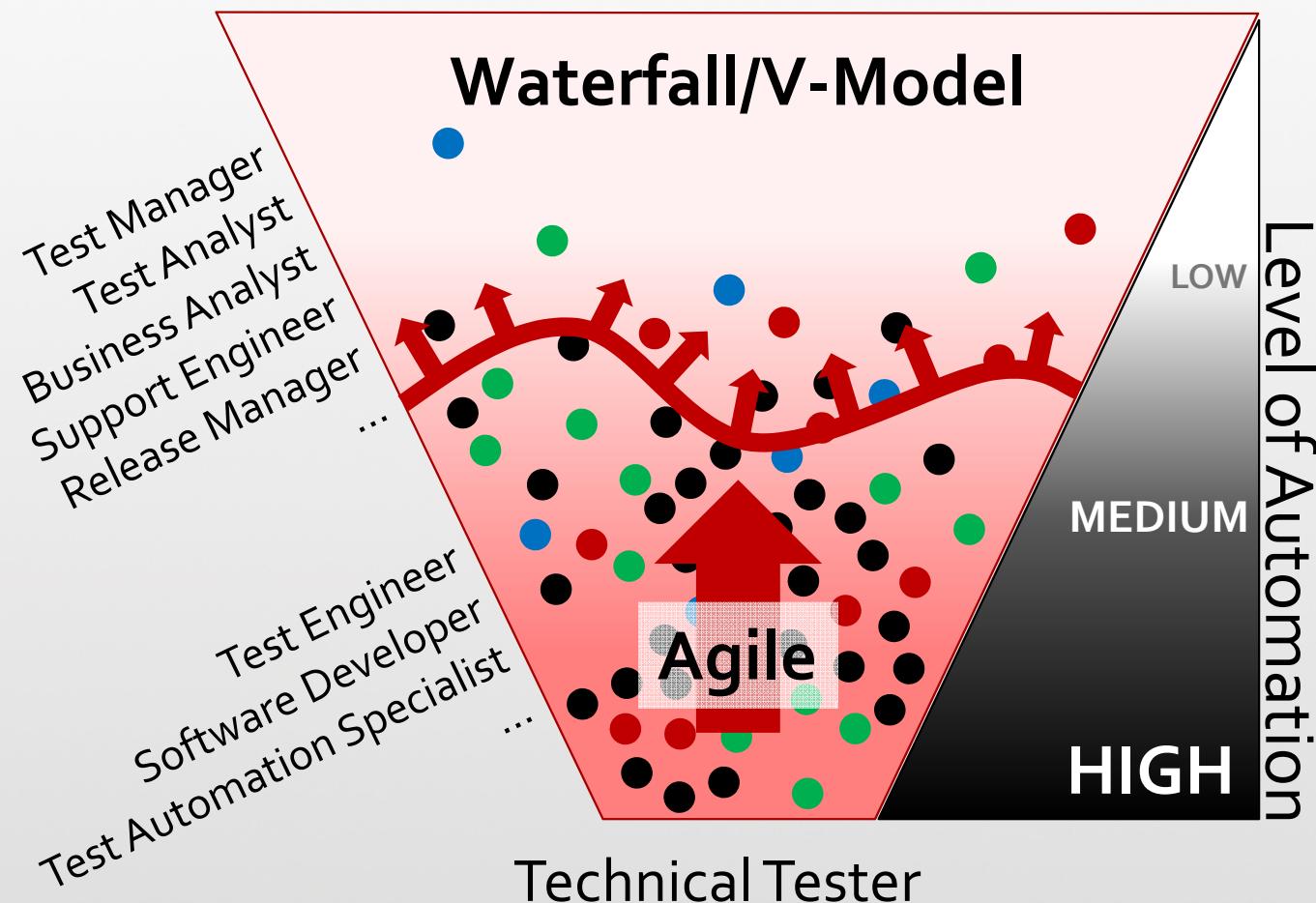
Technical Tester

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- » Test automation on code level
- » Ranorex API power user
- » „I'm a frameworker –
I don't want to depend on anything“
- » Deeply integrated with SW development process
- » Ranorex Studio often not in use
- » Nearly no Ranorex support needed
-> Community-driven

- » Domain Knowledge – Representing the User
- » Often separated from dev team and processes
- » „In love“ with „Record“ button – Capture & Replay
- » Afraid of code

Roles Between Two Extremes



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Munich RE



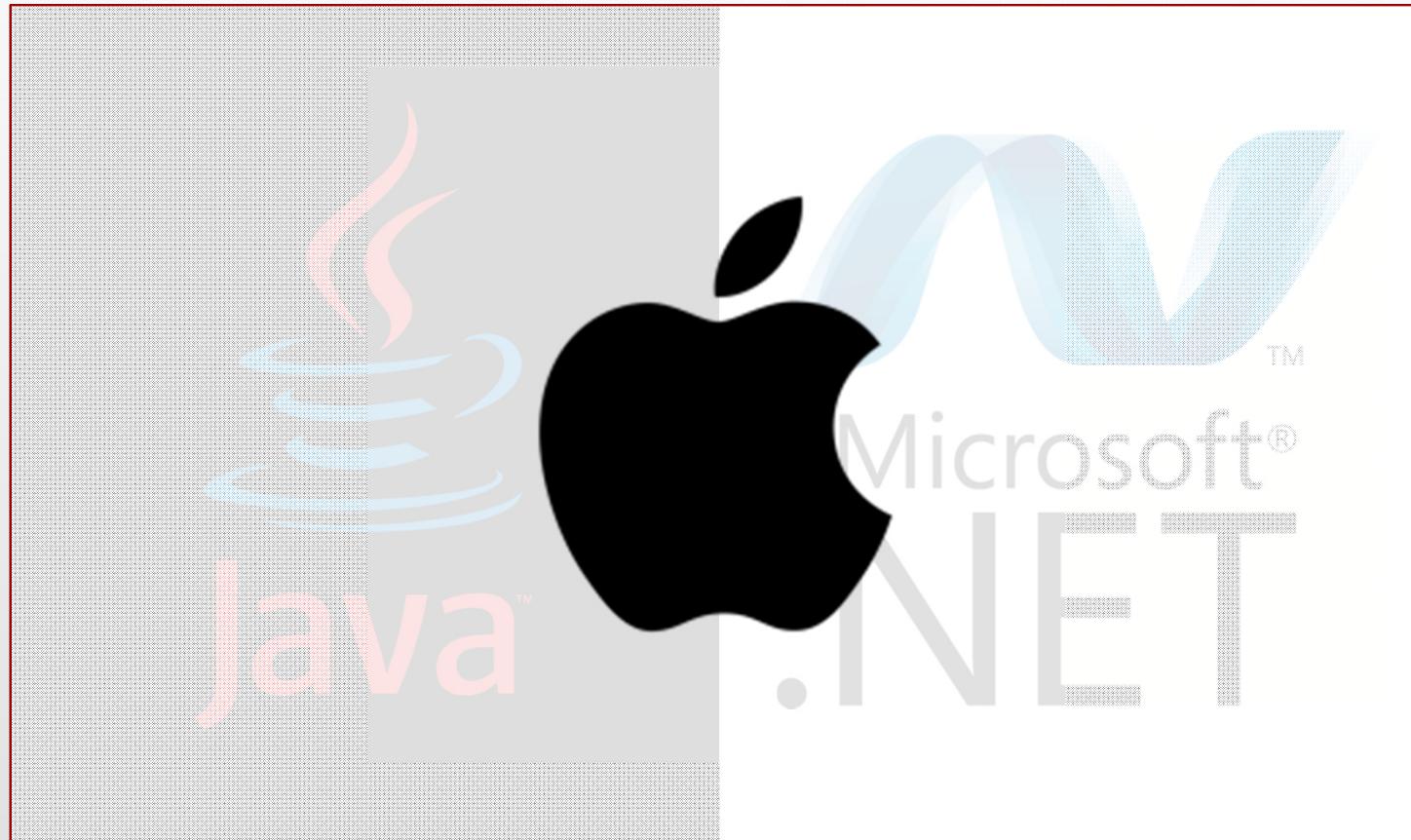
Scope:	Internal IT (SAP, HTML5, .NET)
Dev-Approach:	Multiple vendors <u>no in-house dev-team</u>
Tools for QA:	Ranorex, HP QC Microsoft TFS
TA-Approach:	Ranorex Module Framework + Ranorex Recorder
TA-Team:	Internal + External 30% Technical Tester 70% Domain Tester

SIEMENS

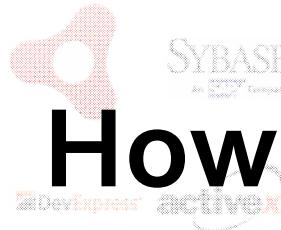
Scope:	Tomography-Software (.NET, MFC)
Dev-Approach:	in-house, „Watergile“
Tools for QA:	Ranorex, Microsoft TFS, in-house solutions
TA-Approach:	Ranorex Code Module Framework, No-Recorder, but Visual Studio
TA-Team:	Internal 90% Technical Tester 10% Domain Tester

- #1:** Multiple UI technologies,
multiple suppliers + shorter release cycles
- #2:** Test maintenance
- #3:** Finding the right people

Technologies



Desktop



How to control software quality?



Web



BUILD?

BUY?

Mobile

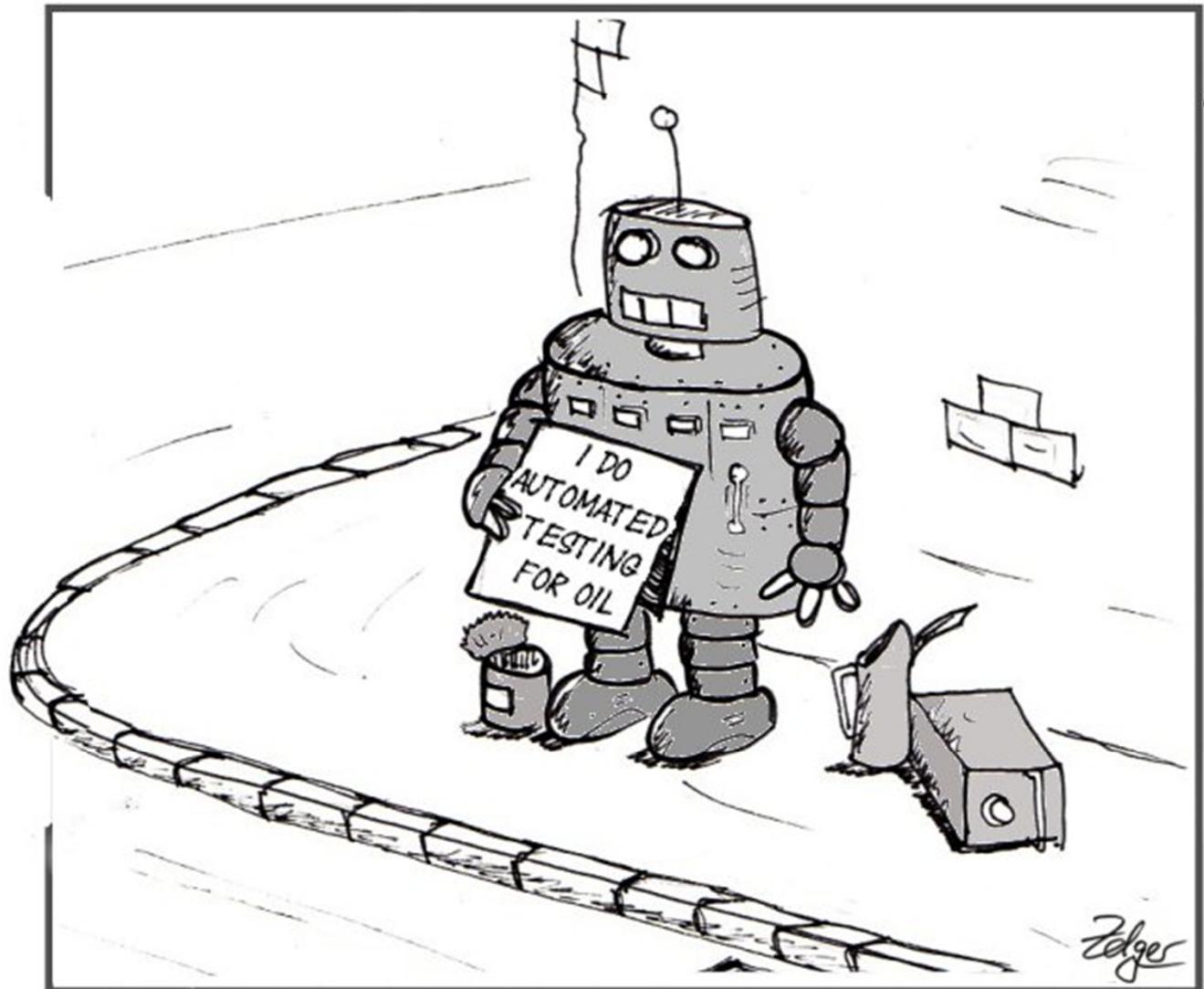
OUTSOURCE?



» What's needed?

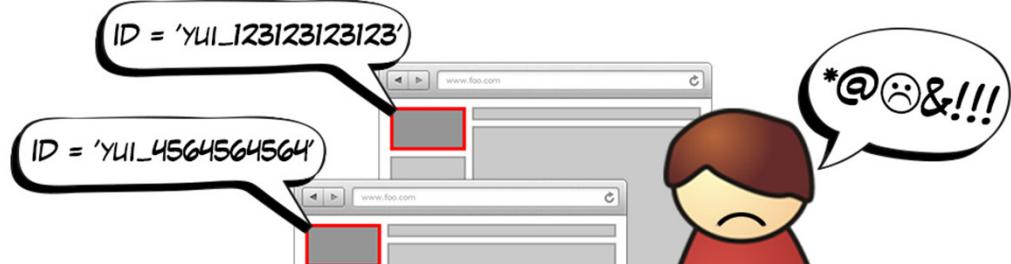
- » Tools assisting with „Design for Testability“
(for in-house development)
- » Automation frameworks delivered with solutions
(outsourced development)

Test Maintenance



www.zelger.org

**It was a shock to his master when he realized,
robots need maintenance, too**



Item

- LogIn
 - MasterPassword
 - BtOK
- MainForm
- KeePass
- AddEntry
- IconPicker
- AboutKeePass

Path

Item	XPath
LogIn	Base: /form[@controlname='KeyPromptForm'] text[@controlname='m_tbPassword']/text[button[@controlname='m_btnOK']]
MainForm	Base: /form[@controlname='MainForm']
KeePass	Base: /contextmenu[@processname='KeeP']
AddEntry	Base: /form[@controlname='PwEntryForm']
IconPicker	Base: /form[@controlname='IconPickerForm']
AboutKeePass	Base: /form[@controlname='AboutForm']

» What's needed?

» Smart ways to create out of the box UI maps at design time

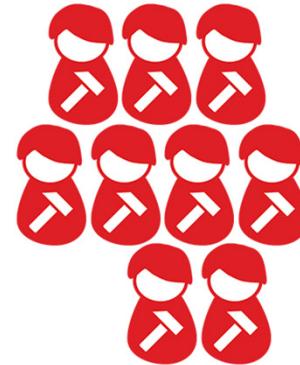
Finding the Right People



Domain Tester



Developer



Test Automation
Expert

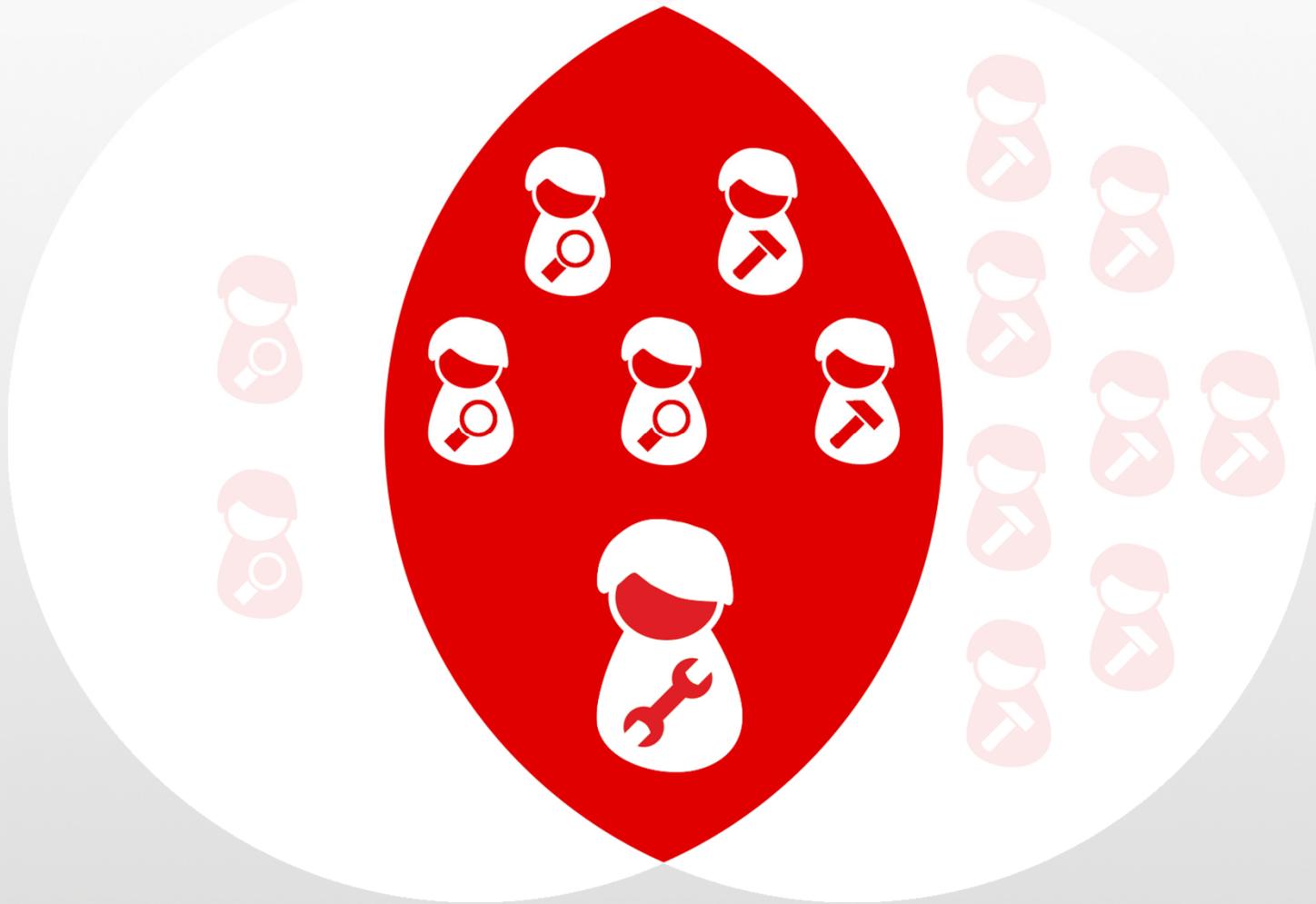
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- » Scripting/Development Background
- » Ranorex Knowledge
- » Tools & Processes
 - » Continuous Integration
 - » Test Management



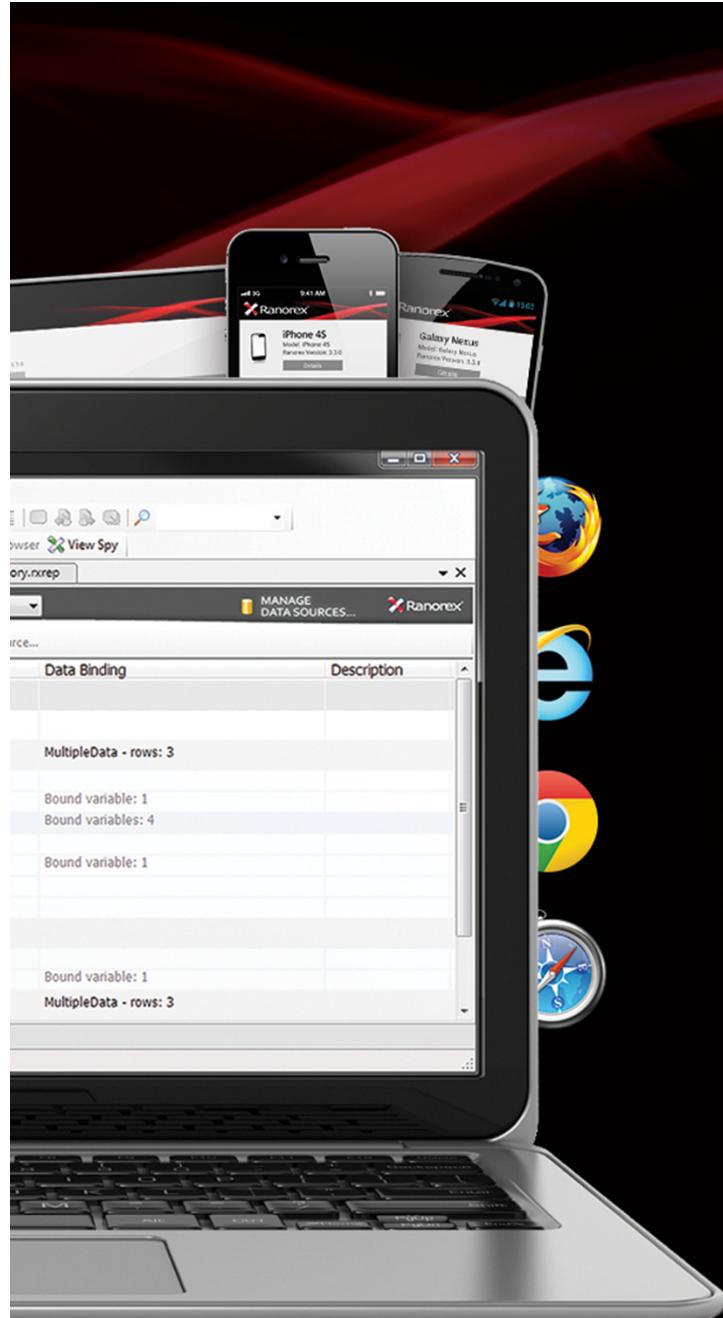
- » Communication Skills

Who uses Ranorex



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Questions?



Thank you for your attention!

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