

A black and white photograph of a man with a beard and a beanie, lying in a hammock and reading a book. The hammock has vertical stripes. The background is a blurred outdoor setting with trees and a hill. A dark, semi-transparent rectangular overlay is positioned in the center of the image, containing the brand name and tagline.

Q-FACTORY

Quality brings peace of mind

2010 & 2013

Founded

25M € Revenue

2019

150+

Employees

Offices

Tampere, Helsinki, Oulu,
Turku, Lahti ja Ylivieska

Network

Biggest in Finland

Codemen Services

FUNCTIONAL



Software development
Testing & Quality Assurance

INTELLIGENT



Robotic Process Automation
Artificial Intelligence

DELIGHTFUL



UI Design
UX Design

Q-Factory Services



- **Automator**

- **Test Automation and RPA solutions**
- Perf. & Load testing solutions



- **Quality Team**

- Part of client's team or taking full responsibility for QA and Testing



- **My Consultant**

- Audits
- Tailored evaluations
- Trainings
- Mentoring
- Metrics



- **Testing Center**

- Flexible service
- Wide coverage of testing tools and environments

What is Robotic Process Automation

RPA

- RPA is **software automation** of repetitive work processes and functions
- **Over 70% of process defined tasks** can be automated
- **RPA is fast**, in use within days or weeks,
- RPA **doesn't make mistakes**, but does just what is set to do
- Existing **processes can be optimized**
- RPA is stepping stone for **next level automation**



Common Usage Areas

- Usually such in which **information** is **validated and/or transfered**
- HR
- Financial
- Customer Service
- Data transporting, Processing & Modifying



Hour Report Validation

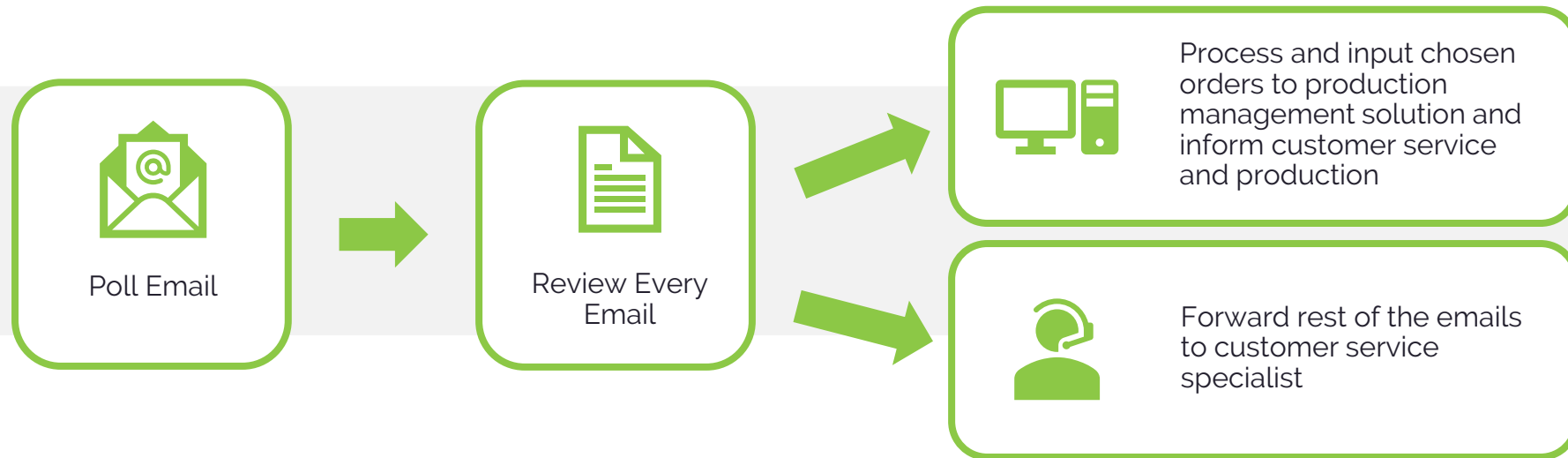
- Executed every friday



- **Benefits:** No missing invoicable hours, easy to remember same weeks schedule, emails coming from neutral robot not from boss or HR

Order Handling

- Executed hourly basis Monday to Friday from 6am to 12pm



- **Benefits:** Manual tasks removed, More time to focus on meaningful and intelligence tasks. Value creation via real customer service. Work role updated.

What is Test Automation

TA

- TA is **software automation** of repetitive functional verification and functions executed in systems
- **TA is efficient and fast** when scale of automation is sufficient
- TA **doesn't make mistakes**, but does just and only what is set to do
- Existing **processes can be optimized**
- TA has **enabled signifact change** with test specialist role
- TA is stepping stone for **next level automation**



Usage Landscape

RPA

- Efficiency to **information and business workers**
- Usually in **production phase** usage
- Part of **process development** toolbox
- **Business** owns & leads **RPA**

TA

- Efficiency to **testing & SW development**
- Usually in **development phase**
- Part of SW **development process**
- **TA** is owned by **IT or development**

Technologies

RPA

- **Commercial** and **Open source** solutions
 - UiPath & Blueprism, **UFT?**
- **New, growing** and **developing** market
- **Robot Framework** offering own **RPA solution**
- **Solutions developing** and **new ones** rising as well

TA

- **Commercial** and **Open source** solutions
 - UFT, MS Visual Studio...
- **Stable & developing** market
- In **Finland open source** solutions are very popular
- Commercial solutions **previously** in all larger organizations
- Automation used **also in other areas** in SW development pipe

QAuto RPA

Robot framework RPA



QAutoflow

Design & Visualize

Design & create
Robot keywords
Visualize



QAutoRobot

Transform & Finalize

Transform
Finalize



QAutoRPA

Dashboard & Orchestrator

Define
Deploy, run & manage
Follow



QAutoRPA

Showcase

Cheapest flight and dates search Halvatlennot
Robot

TA is RPA veteran

1. Widely used

- Several years in wide use
- Different phases & levels

2. Changed roles and processes

- Tester's role changed
- Enabled change with development processes

3. Market and tools mature

- Already clear role in organizations
- New continuous development



TA to RPA?!

Value available

- Existing keywords, libraries
- Data modification functions
- Data transportation

From DEV to PROD

- Solutions deployed to production
 - Why not other content?
 - Support & maintenance processes usually also available





Q-FACTORY

<CODEMEN>

QUESTIONS KIITOS!

EERO HYYTINEN

CTO

+358 40 577 6338

eero.hyytinen@q-factory.fi