



#Silence #Rethink, we're innovating!

# Portable Quality Inspection (PQI)

T-Systems | 2024



Let's power  
higher performance

Connect...

85%  
DATA

56265145155  
23231646548  
78456494245

21561545314  
56265145155  
23231646548  
78456494245  
23611684843  
97654297569

99%

# Our initial statement

# Silence, we're Innovating!

Fixed control points  
for in-line quality  
inspection



Manual or off-line  
solutions for intermediate  
quality checks

Dedicated &  
specialized  
hardware solutions

High preparation times  
for new specific quality  
check

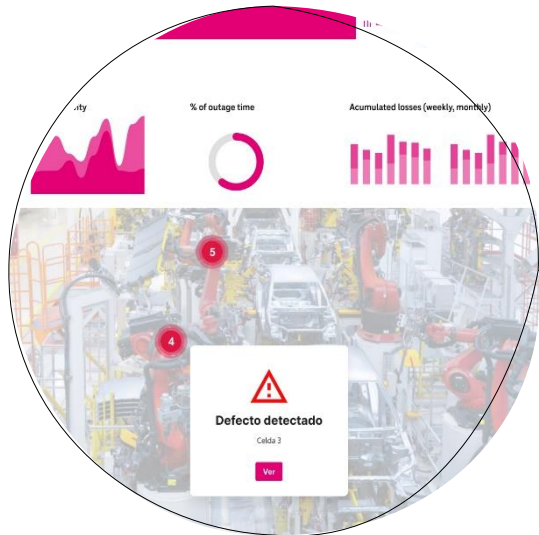
Highly costing and  
non-scalable to new  
control points



Low processing  
capacity of samples

# Value proposition: PQI

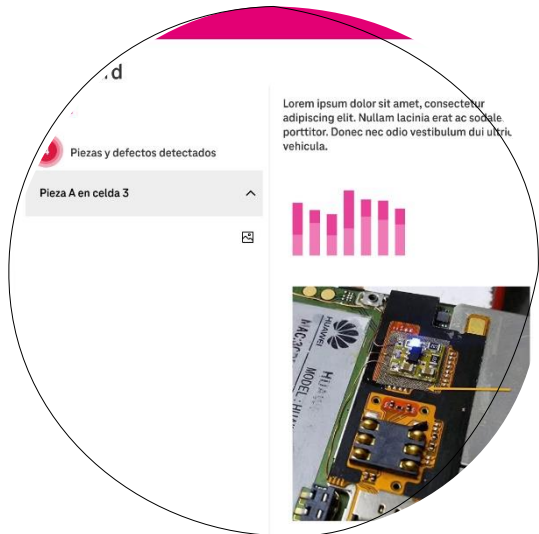
# Silence, we're Innovating!



Portable quality solution for the detection of defects through visual inspection

Reduce the subjectivity component when operators have to categorize defects

Allows the discovery of quality insights in any in-line point



Quick implementation and operation by quality staff

Allows implementation of intermediate and temporary control points

Additional to standard fixed control points

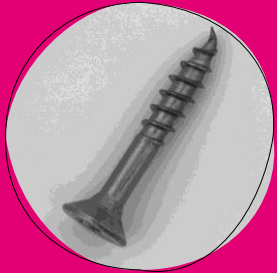
Low-cost deployment based into the real consumption

Provide assistance to detect defects

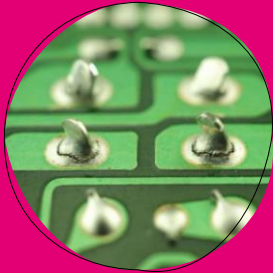
Support for high range of quality defects

# Examples of type of defects

Tip defect in Screws



Incorrect welding in PCBs



Oil marks in steel surfaces



Incorrect pills in blister packs



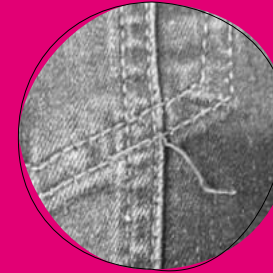
Missing part in assemblies



Defects in packaging printing



Defects in clothes



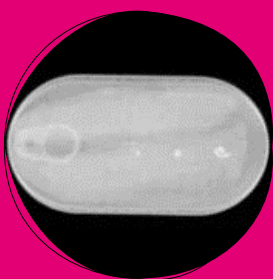
Incorrectly folded clothes



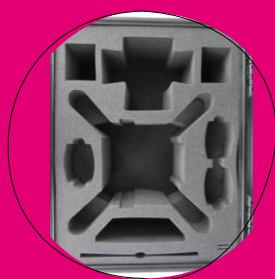
Break in Jack Points



Foreign objects in food



Incorrectly filled Picking Box



Damaged boxes



Surface defect in gears



Defects in bearings



Defects in clothes



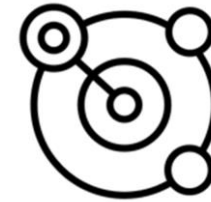
# Technical solution for Portable Quality Inspection



PQI App



AI & ML Cloud Technology



PQI Platform

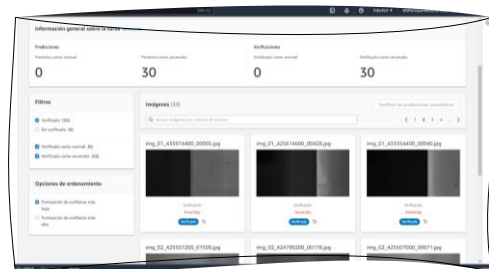
- Mobile phone application
- Allows the use cases creation, deployment to detect defective parts in production lines, ...
- To be used by any operator or quality staff, directly in the shopfloor.
- T-Systems' component

- Technological component for the creation and exploitation of IA algorithms for defective parts detection
- Usage completely transparent for the user
- Components and architecture from cloud

- Platform to manage all the related information
- Access to dashboarding, history, traceability, ...
- Web access for any user from a computer
- T-Systems' component

T Systems

BYOD concept:  
Directly provided  
by you



T Systems





# Let's start the digital journey together!



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**T Systems**

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