HoloLens, Smartwatch & Mobility: How Innovation can increase Quality, Automation and Compliance

Juraj Mojik
Head of Product at Resco
Moore’s Law – The number of transistors on integrated circuit chips (1971-2018)

Moore's law describes the empirical regularity that the number of transistors on integrated circuits doubles approximately every two years. This advancement is important as other aspects of technological progress – such as processing speed or the price of electronic products – are linked to Moore’s law.
Solve problems
Disruption  Innovation
The Four States of Disruption

How susceptible is your industry?

CURRENT LEVEL OF DISRUPTION SCORE (0-1)

VIABILITY

Software
Integrated telecommunication services
Publishing
Industrial machinery

DIVERSITY

Life sciences tools and services
Alcoholic beverages
Diversified chemicals

DURABILITY

Tires and rubber

VULNERABILITY

Consumer technology
Diversified metals and mining
Rail and road
Diversified banks
Hotels, resorts, and cruise lines
Investment banking and brokerage

VOLATILITY

Multi-utilities
Independent power producers and energy traders
Multiline insurance
Health care distributors

SOURCE
ACENTURE RESEARCH'S DISRUPTABILITY INDEX, SEPTEMBER 2017
improve operational efficiency
faster time to market
meet changing customer expectations
created new business models as a result
30% increase in adoption

23 hrs. reinvested in core competencies

400% increased output
Provide guidance

Decrease costs

Ensure safety

Work offline
Optimize processes

Increase compliancy

Whole process

Automate tasks
1. Is the oil level in norm?
2. How are the screws attached?
3. What is the pressure level?
4. ...
Assign work to specific users
**Pressure**: 2 bar  
**Oil level**: normal

**Pressure**: 1.5 bar  
**Oil level**: low
### Regular Inspection @ Blue Keys Hotel

<table>
<thead>
<tr>
<th>Account</th>
<th>Blue Keys Hotel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inspector</td>
<td>Juraj Moljik</td>
</tr>
<tr>
<td>Appointment.kp</td>
<td>Scheduled Maintenance</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Otis</td>
</tr>
<tr>
<td>Model</td>
<td>Elvonic 401</td>
</tr>
<tr>
<td>Serial Number</td>
<td>AAA-123456AA</td>
</tr>
<tr>
<td>General state</td>
<td></td>
</tr>
<tr>
<td>Operating time</td>
<td></td>
</tr>
</tbody>
</table>

#### Cabin Interior

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lights</td>
<td>Not working</td>
</tr>
<tr>
<td>Control Panel</td>
<td>OK</td>
</tr>
<tr>
<td>LCD Display</td>
<td>OK</td>
</tr>
<tr>
<td>Cabin walls</td>
<td>OK</td>
</tr>
<tr>
<td>Speaker and microphone</td>
<td>OK</td>
</tr>
</tbody>
</table>

#### Additional comments

#### Cabin Exterior

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Brake</td>
<td>OK</td>
</tr>
<tr>
<td>Right Brake</td>
<td>Damaged</td>
</tr>
<tr>
<td>Wire ropes</td>
<td>OK</td>
</tr>
<tr>
<td>Wire rope securing bracket</td>
<td>OK</td>
</tr>
</tbody>
</table>

#### Additional comments

#### Cabin Issue

<table>
<thead>
<tr>
<th>Priority</th>
<th>Control Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td></td>
</tr>
</tbody>
</table>

Additional comments
In two weeks!
Remote assistance

Trainings
Time consuming

Error prone
Smartwatch integration
AI Image Recognition
Azure Custom Vision

IoT Visual Alert Demo

[Scoring] Nothing detected 21fps

IoT Hub Status: Connected
Visual search
Recognize device / product
Fill in data