

# Humaniseren met High Tech

Social Robot Opportunities

Feb 2021

# AGENDA

Introduction & key capabilities

New robot team members

Robots as a Service (RAAS)

SOCIAL ROBOTS ENTER OUR WORKSPACES AS  
HOSTS, GUIDES, PRESENTERS & SUPPORT  
WORKERS

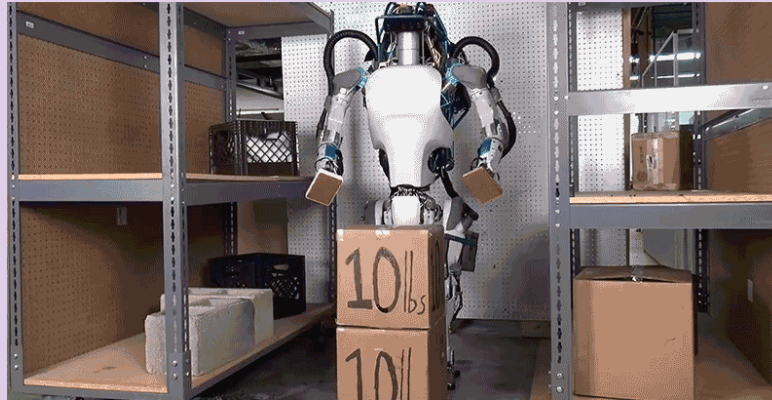
## SOCIAL ROBOT

Programmable machine that is designed for  
interaction with people; it moves, makes  
choices and takes up social space

# THE SOCIAL ROBOT'S APPEARANCE RANGES FROM MORE FUNCTIONAL TO ANTHROPOMORPHIC



WE ARE FRONT AND CENTER IN A WAVE OF  
ROBOTIC INNOVATIONS...





# ROBOTS EVOLVE AT EXPONENTIAL SPEED

## Human evolution (million years ago)



Homo habilis  
~2.40



Homo erectus  
~1.80



'Archaic' homo sapiens  
~0.40



Neanderthals  
~0.15



Homo sapiens  
~0.13

## Robot evolution (years ago)



Unimation  
60



Shakey  
51



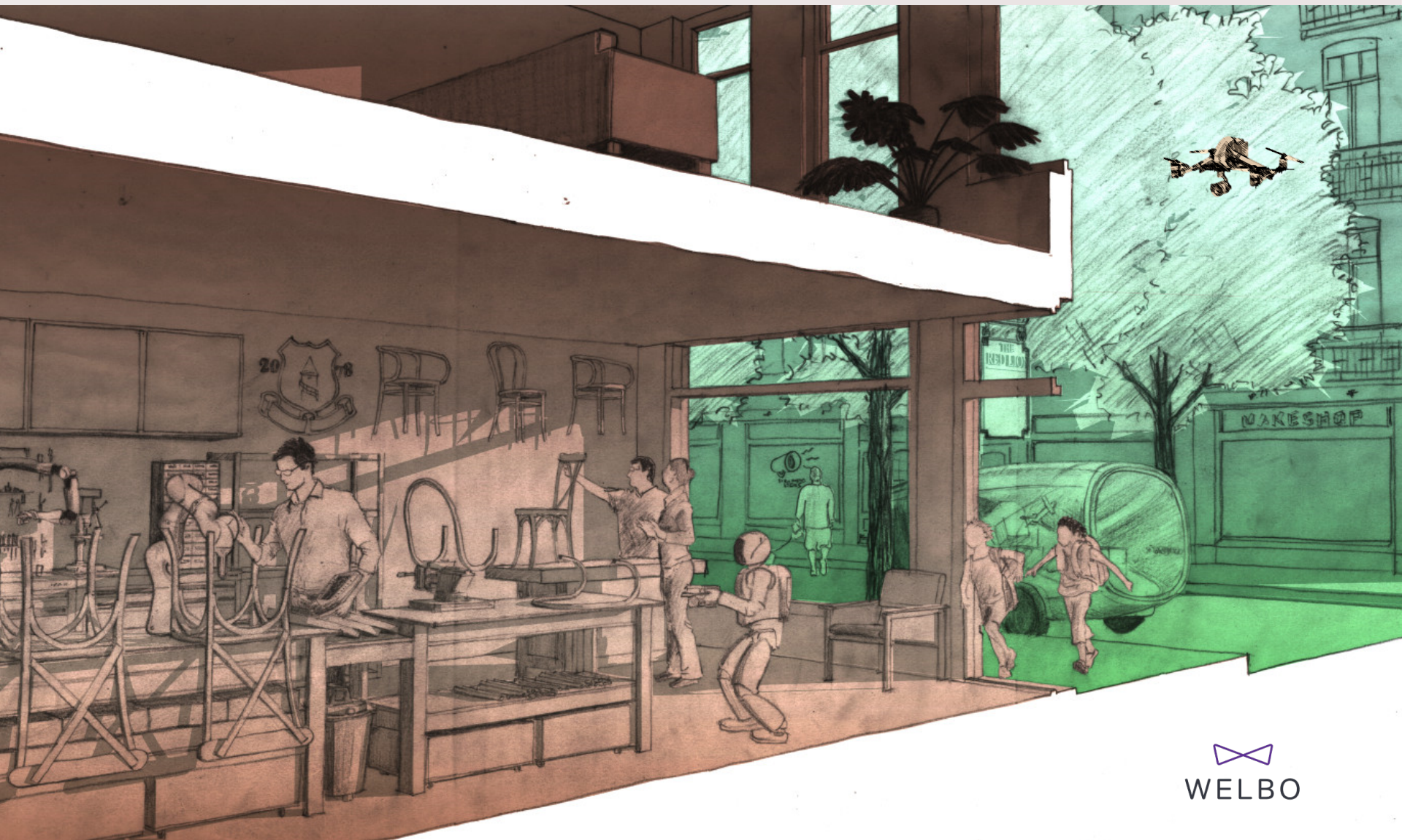
E0  
35



ASIMO  
21



Atlas  
7



AT INTERSECTION OF HOSPITALITY & TECH, WELBO  
DESIGNS SOCIAL ROBOT INTERACTIONS TO SPARK JOY

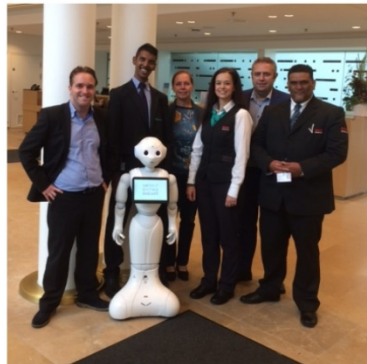


WELBO

Est.  
2016

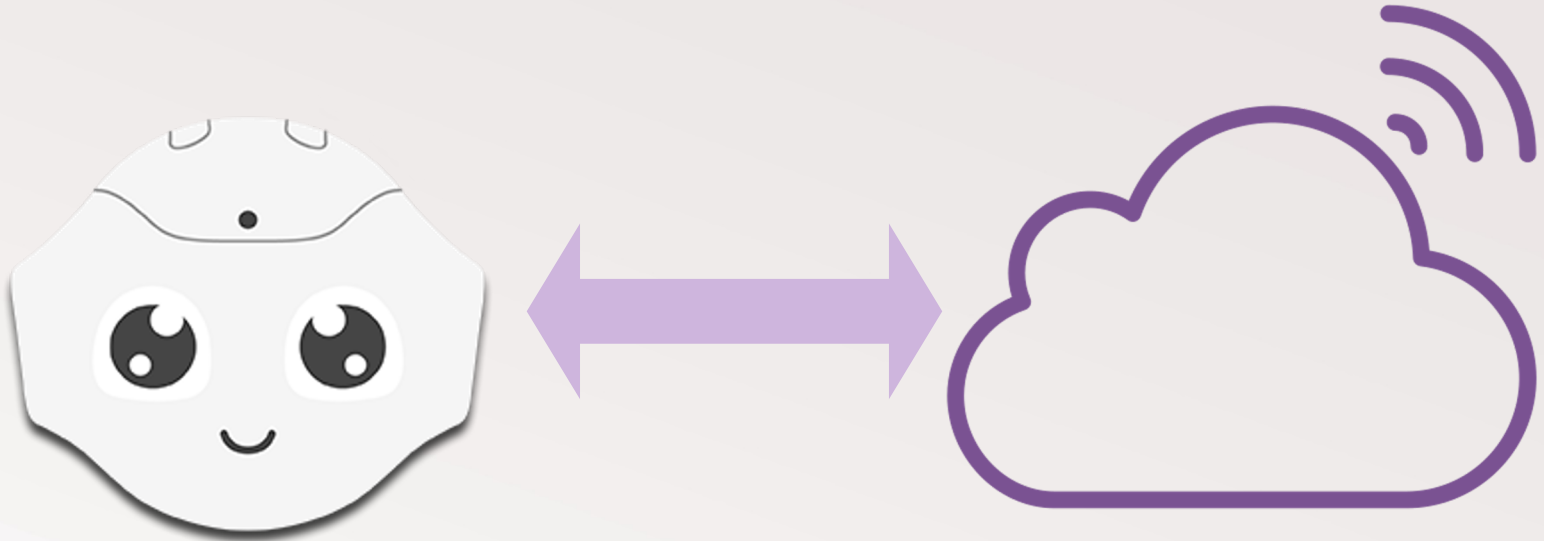
# WELBO DEPLOYS MORE THAN 35 ROBOTS IN THE NETHERLANDS, BELGIUM AND UNITED KINGDOM

Actual customer photos

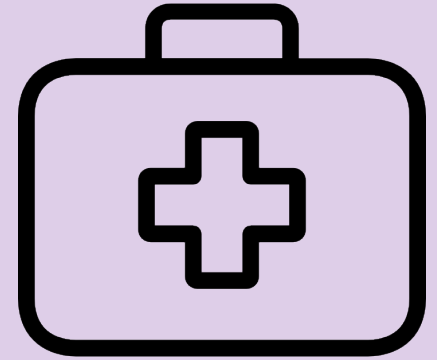
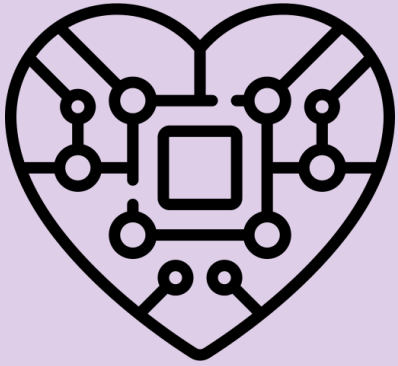




WELBO ROBOTS ARE IN CONTINUOUS CONTACT  
WITH CLOUD SERVERS



# AMSTERDAM BASED TEAM CONTINUOUSLY IMPROVES HUMAN-ROBOT RELATIONS & PROVIDES SERVICE



# KEY CAPABILITIES INCLUDE ENSURING SAFE WORKPLACE, PROVIDING PRO-ACTIVE HOSPITALITY & REPORTING INSIGHTS

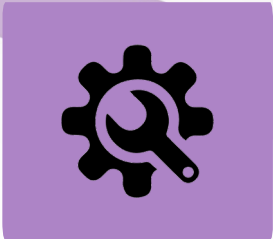
## Safe workplace



## Proactive hospitality



## Reporting insights



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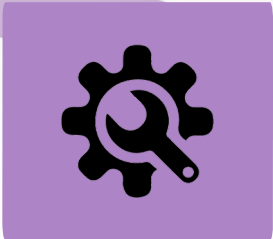


- 1.5 meter distance game
- Corona measures
- Facemask detection

## Proactive hospitality



## Reporting insights





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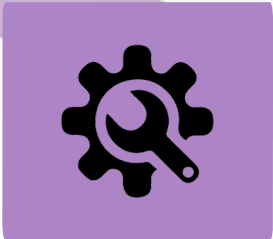
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## Proactive hospitality



- Proactive approach
- Flowing conversation style with music and video
- Guest arrival message also available on teams & slack

## Reporting insights





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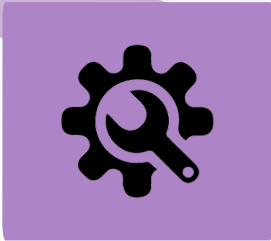
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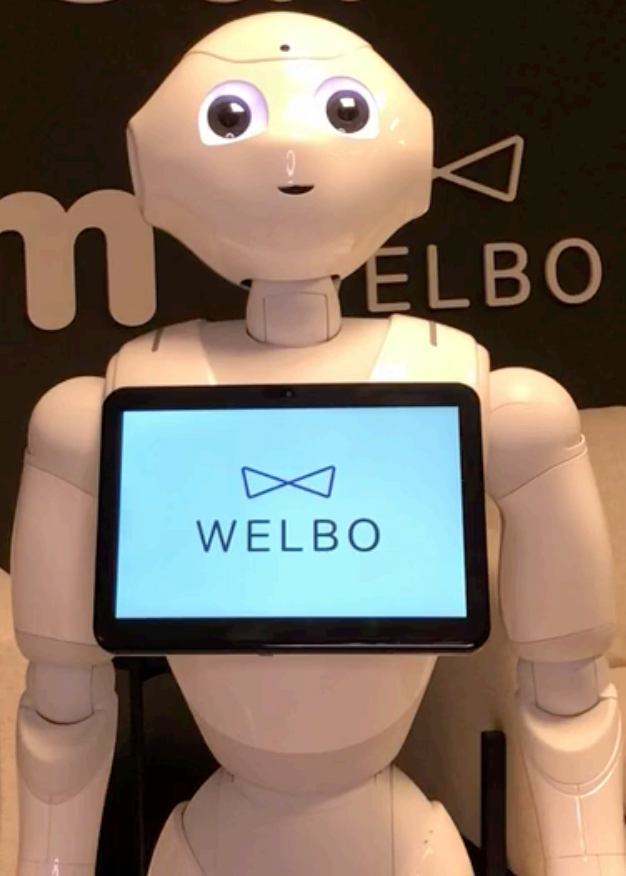
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## Reporting insights



- Likert scale, multiple choice and open ended feedback
- Sentence sentiment analysis
- Captures gender and age

connects  
to your  
team



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IMAGINE A WORLD WHERE LEADING TEAMS HAVE ROBOT COLLEAGUES



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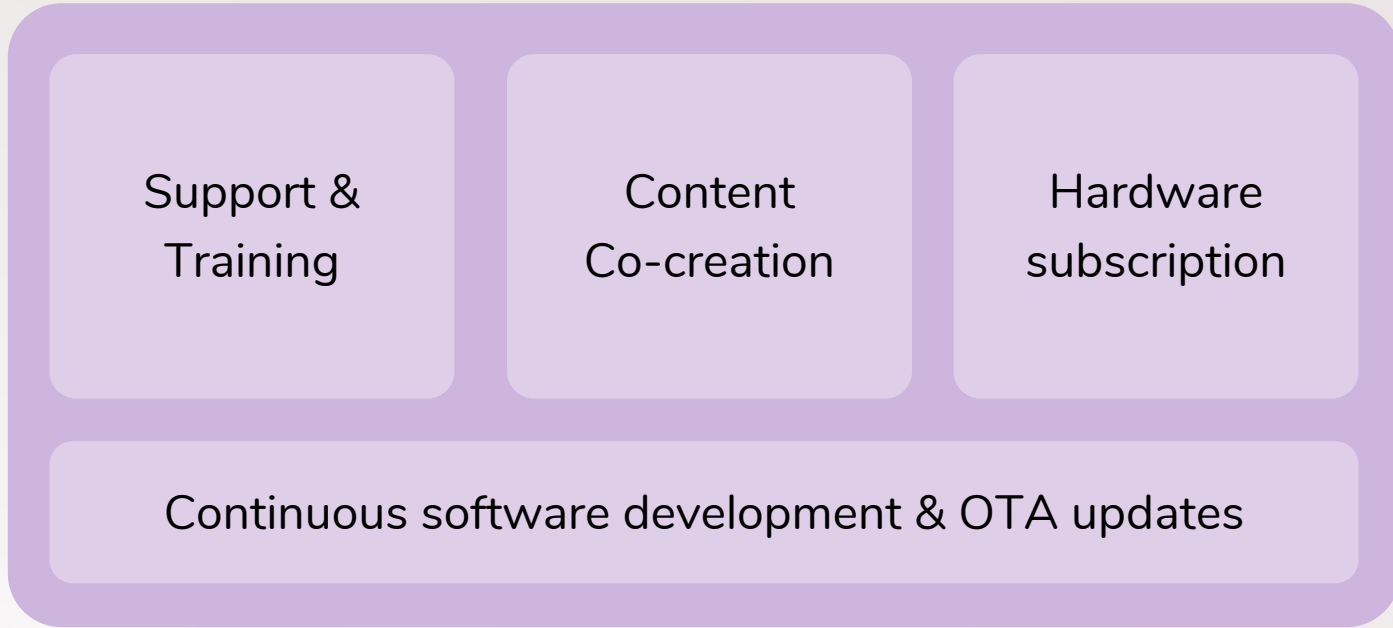
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# SOCIAL ROBOTS EVOLVE RAPIDLY, DEPLOY ROBOTS AS A SERVICE TO BENEFIT FROM CONTINUOUS IMPROVEMENTS

RAAS



# DEPLOY SOCIAL ROBOTS

