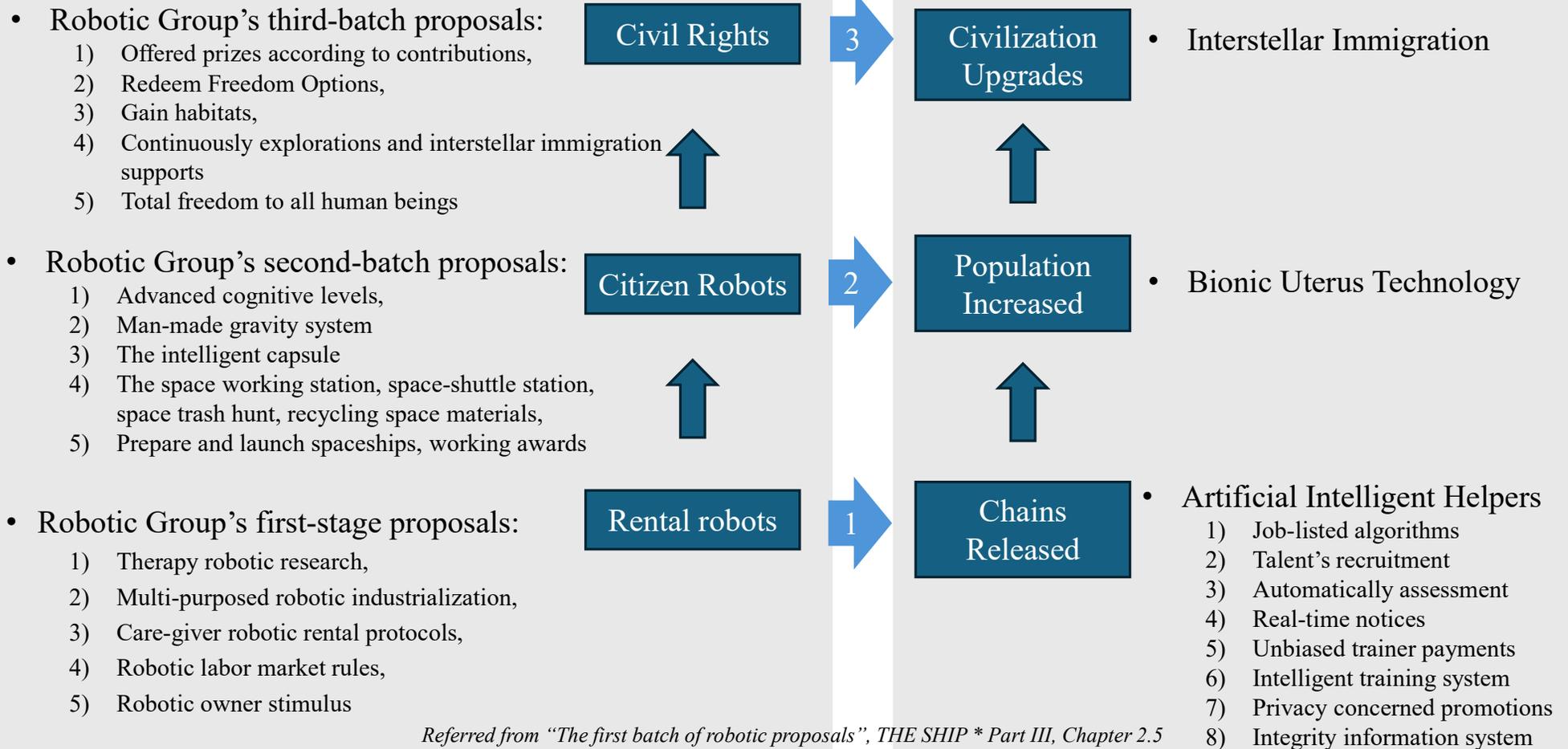


# The Rise of the Robotic Industry



1. Generated human trainer markets based on the rise of Robotic Industry.
2. The Robotic Ethic Principles offer secure living and working environment with robots under coaching roles from human professionals and experts.
3. Connectivity among knowledge libraries might generate different plans,
  - 1) The Robotic Ethic Principles can guide home service robots apart from other types of robots for civilian purposes
  - 2) Methods and learning tools allow excellent developers to use artificial intelligence (AI) - libraries and to release robotic apps for customers
  - 3) Licensing process offers best choices for users

# Robotic Group Three-Batch Proposals



# First Batch of Mars Future Plans

## I. First Batch

### 1.1. Initial Research Labs

### 1.2. Working Robots

<i>Robotic Designs</i>	Standards	Functions	<i>System</i>	<i>Capabilities</i>	<i>Costs</i>
<i>Manufactories</i>	Prototypes	Commercial Products	<i>Licensed</i>	<i>Production Series</i>	<i>Recycled Series</i>
<i>Developer Environment</i>	Software	Hardware	<i>Applications</i>	<i>Middleware</i>	<i>Updates</i>
<i>Trainer Environment</i>	Occupations	Credits	<i>Professional</i>	<i>Amateur</i>	<i>Newcomer</i>
<i>Robotic Companies</i>	Integration	Commercialization	<i>Therapy Robots</i>	<i>Household Robots</i>	<i>Expertise Robots</i>
<i>Virtual Monetary Transition</i>	Secure Funds	Transition Systems	<i>Algorithms</i>	<i>Security</i>	<i>Authentications</i>
<i>Robotic Licensing Companies</i>	Grades	Industrialization	<i>Standards</i>	<i>Licensing Codes</i>	<i>Digital Transitions</i>
<i>Robotic Renting Companies</i>	Business Development	Technique Support	<i>Warehouse</i>	<i>Logistics</i>	<i>Supports</i>
<i>Fair Payroll System</i>	Statements	Payments	<i>Fair Payroll Algorithms</i>	<i>Third Party Accesses</i>	<i>Automatic Payments</i>
<i>Unbiased Hiring System</i>	Levels	Employment	<i>Unbiased Hiring Algorithms</i>	<i>Third Party Accesses</i>	<i>Matched Hiring</i>

### 1.3. Earth & Mars Management Systems (EMMS)

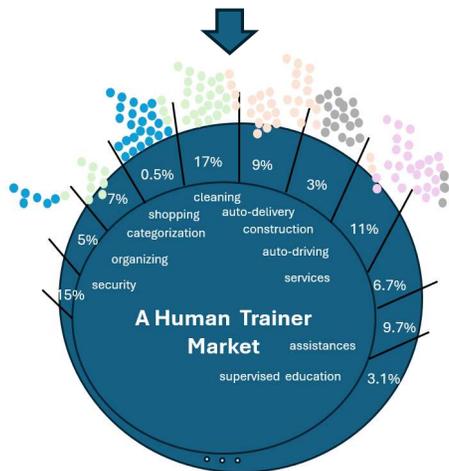
Referred from "An Innovative Employment Market", THE SHIP \* Part III, Chapter 2.6

# An Innovative Employment Market

- Robotic Group's first-stage proposals

- *Artificial Intelligent Helpers*
- *Intelligent Job Market*
- *Hiring without bias*

**8.23 Billion Population/Employment Candidates**

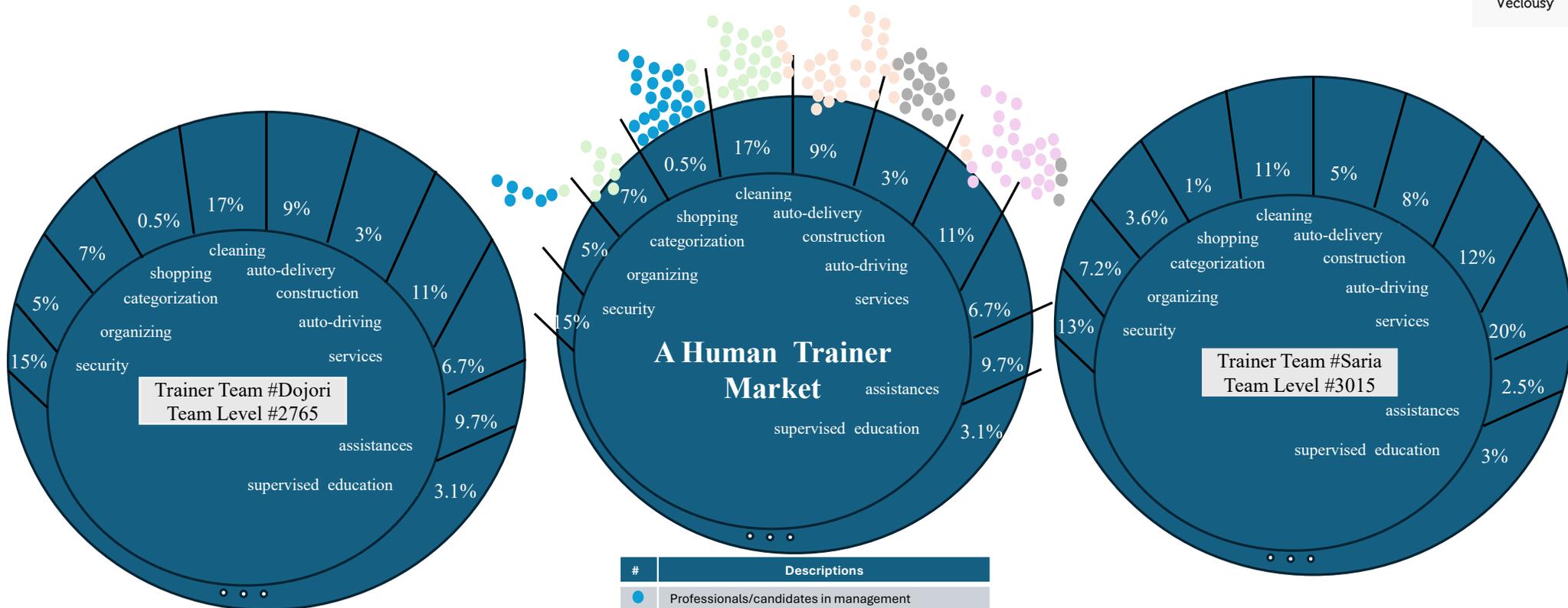


- The process to recruit or invite professionals or candidates into a trainer team to earn the related ratios of rewards according to **levels** and performances.
- Every team has different levels and members.
- Team level is evaluated by their works and performances.

Referred from "An Innovative Employment Market", THE SHIP \* Part III, Chapter 2.6

<i>Robotic Designs</i>	Standards	Functions	<i>System</i>	<i>Capabilities</i>	<i>Costs</i>
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<i>Unbiased Hiring System</i>	Levels	Employment	<i>Unbiased Hiring Algorithms</i>	<i>Third Party Accesses</i>	<i>Matched Hiring</i>

# A Human Trainer Market



- Every team has different levels and members.
- Team level is evaluated by their works and performances.

#	Descriptions
●	Professionals/candidates in management
●	Professionals/candidates in constructional industry
●	Professionals/candidates in auto driving industry
●	Professionals/candidates in computer vision area
●	Professionals/candidates in staffing industry

- A different team setting might include different industries and training areas.
- A different team setting might include different levels and ratios of rewards back.

Referred from "An Innovative Employment Market", THE SHIP \* Part III, Chapter 2.6



- The process to recruit or invite professionals or candidates into a trainer team to earn the related ratios of rewards according to **levels** and performances.

# Level 1 Therapy Robot



AI-Robot/Therapy  
rented & arrived  
@10:40 am PST

Transition patients	To bed	To restroom	To bathtub	To wheelchair	Necessary
Call urgent care	Call 911	Call ambulance	Call doctors	Call relatives	Necessary
Kitchen care	Wash dishes	Clean counter	Organize kitchen	Order groceries online	Applications
Floor care	Clean floor	Remove obstacles	Organize wheelchair	Organize bed	Applications
Trashcan care	Organize trashcans	Organize trash	Dump trash	Clean trashcans	Applications
Garden care	Cut grass	Necessary Landscape	Clean floor	Lock doors	Applications
Laundry	Simply category laundries	Wash & Dry using machines	Organize laundries	Simply category closets	Applications

*[Virtual Lover \* Part II] An I.T., Chapter 2.1*

# Example 1: A rented AI-Robot takes house cleaning work



AI-Robot/Worker arrived @10:38 am PST



- **Date:** 10/3/2024
- **Worker/Robot Information:** #\*\*\*7ae1c75c60\*\*\*
- **Remote WTL System Requested:** @ 10:38 am PST sent to owner



PACS notices owner to approve WTL System Autologin



Private Access Controlled System

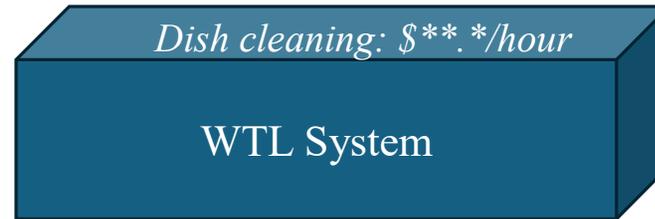


WTL System

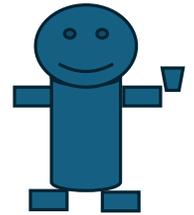
- **Date:** 10/3/2024
- **Worker/Robot Information:** #\*\*\*7ae1c75c60\*\*\*
- **Remote WTL System Confirmed:** @ 10:40 am PST, Dish cleaning: \$\*\*./hour Start time counts, AI-Robot activated. @ 12:11 pm PST, End time recorded: 1.5 h Total payments of \$\*\*.\*\* approval sent.



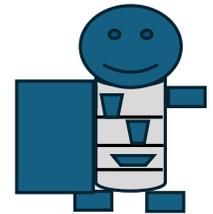
Private Access Controlled System



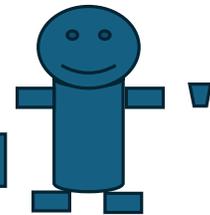
WTL System



Take dirty dishes



Carry dirty dishes to dish washer



Organize clean dishes



# Robotic Ethic Principles

## • **Service Robots\*:**

### 1) Intension Permission

- job acquire & code permit
- company & management

### 2) Robotic Worktime

- work license & trainee payrolls
- check work & quality warranty

### 3) Behavior Detection

- real-time support & auto-work summary
- human supports and/or partner robots

<b>1</b>	<b>Permit Process</b> →	<i>Large Calibration Container</i>
<ul style="list-style-type: none"><li>- Cause delays of robotic motions</li><li>- Offer user-safety senses</li><li>- Exchange intensions through proper communications</li><li>- Apply <i>Behavioral and Outcome Database</i></li><li>- Apply security standards</li></ul>		

<b>2</b>	<b>Work Process</b> →	<i>Medium Calibration Container</i>
<ul style="list-style-type: none"><li>- Cause buffers among each robotic workload</li><li>- Offer licenses of safe working models for customers to choose from</li><li>- Mark working progresses for quality control</li><li>- Apply <i>Accomplishments Database</i></li><li>- Apply safety rules</li></ul>		

<b>3</b>	<b>Behavior Process</b> →	<i>Light Calibration Container</i>
<ul style="list-style-type: none"><li>- Cause buffers to approve each milestone</li><li>- Offer coach-support senses</li><li>- Nearfield safety guides</li><li>- Offer remote and local communications</li><li>- Apply auto-summary reports &amp; statements</li></ul>		

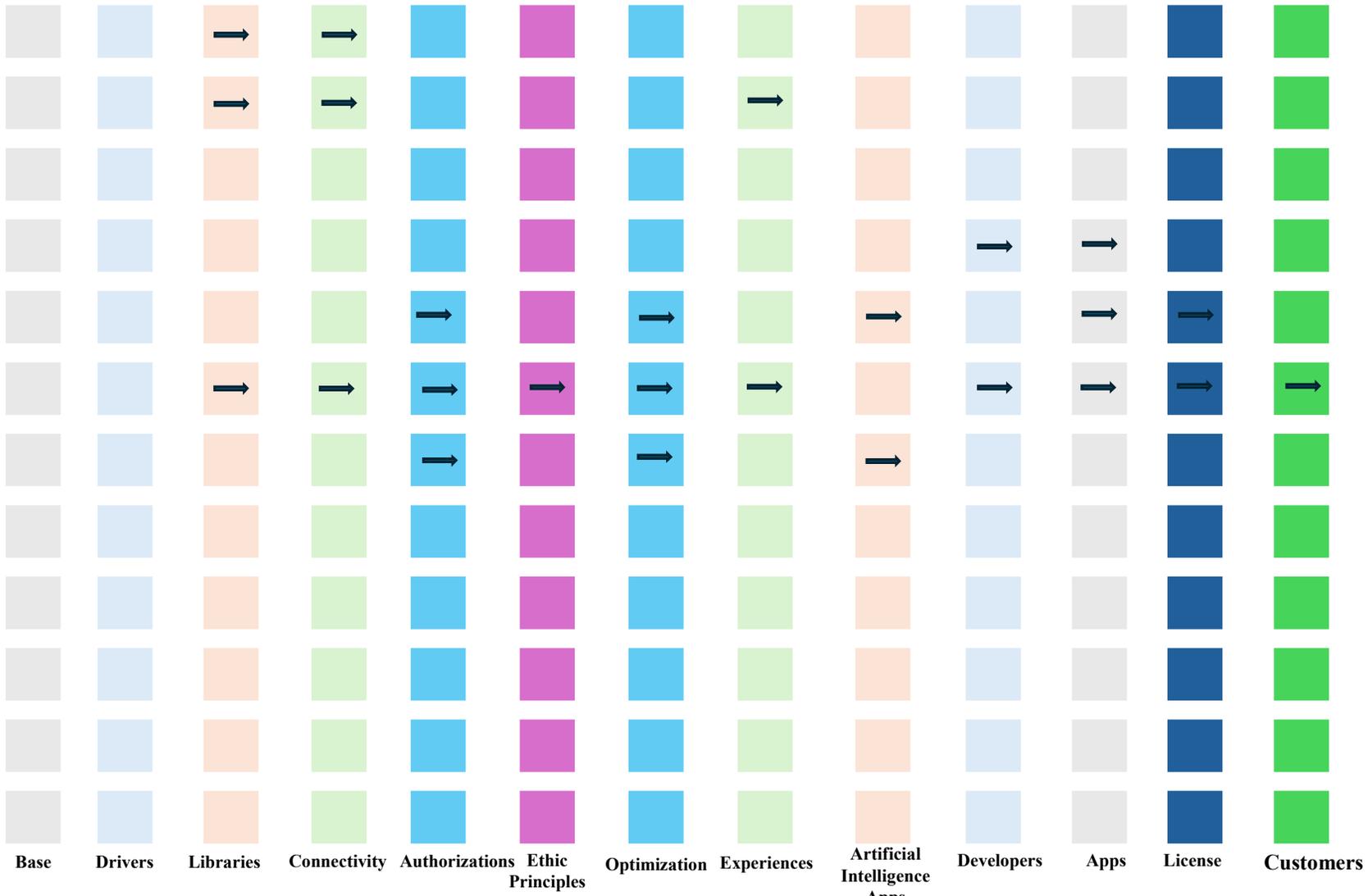
## References:

[\*] Kate Darling – Ethical issues in human-robot interaction | The Conference 2015, <https://www.youtube.com/watch?v=m3gp4LFgPX0>

[\*] Can we apply human ethics to robots?, <https://www.youtube.com/watch?v=dWshtBOgCvs>

[\*] Zhong, T., Song, Y., Limarga, R., & Pagnucco, M. (2025). Computational Machine Ethics: A Survey. *Journal of Artificial Intelligence Research*, 82, 1581-1628.

*[Queer Series \* Part I \* Every Time] Chapter 1.5*



Water garden

which part of garden

Methods app. tools

Best choices

Recent updated from Vc.Using earlier July@CN

# Mobile Artificial Assistant (MAA)

Mobile Artificial Assistant (MAA) offers custom designed the virtual assistant in different speeds of production mode for the Robotic Industry:

### Robotic App Developer/Robotic Companies:

### Mobile App Developer/Software Companies:

- 1) Purchase a robot and a robotic motion sensor (RMS)
- 2) Develop/Train a workload to Semantic Database under user privacy control
- 3) Test the work completion onsite
- 4) Release the work license/patterned workload on the Robotic App Store
- 5) Offer work support for robots

- 1) Purchase a mobile device (Phone/Pad/Computer/ etc.)
- 2) Develop a mobile app under app store regulations
- 3) Test the mobile app on the mobile devices
- 4) Release the mobile app on the mobile app store
- 5) Offer maintenances/updates for mobile apps

Table 2. Robotic App Developer vs. Mobile App Developer

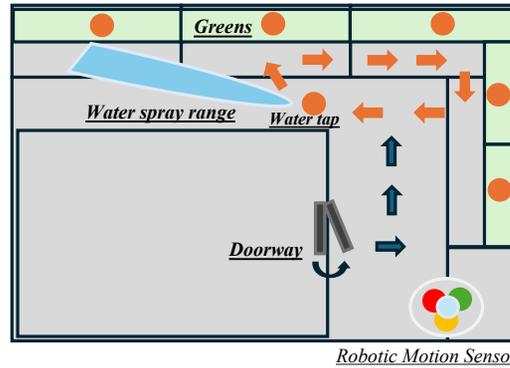


Fig. 1. Mobile Artificial Assistant (MAA) Application Scenario

Human Trainer/User Master End	
<b><u>Water the garden:</u></b>	
●	- Get the water spray
●	- Switch the spray mode
●	- Turn on the tap
●	- Water the garden
●	- Turn off the tap
●	- Organize the water spray

Table 2. Semantic Database

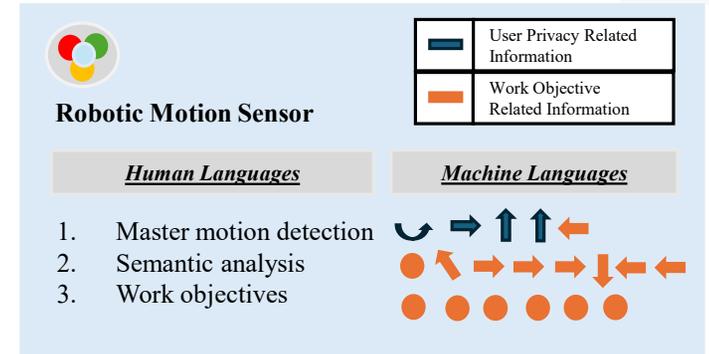


Fig. 2. Robotic Motion Sensor (RMS) Working Mechanisms

#	Objectives	Categories	Applications	Notes
1	Human Trainer/Employer Entrance	Semantic Database	Workload Descriptions	Milestone of Completion
2	Bridge of contributions between humans and robots	Robotic Motion Sensor (RMS)	Communication channels	Work rewards shared by humans and robots
3	Customized robotic application platform	Mobile Artificial Assistant (MAA)	Licensed/Patterned user/developer based robotic app store	Robotic App Store (RAS)
4	Custom/Robotic companies add/delete function libraries	Slow-Mode MAA	Customer trains their private robots and lease/rent robotic workforce on RAS	3 <sup>rd</sup> Party Trainer/Robotic Developer Industry

Table 3. A Simply Summary of the Robotic Industry

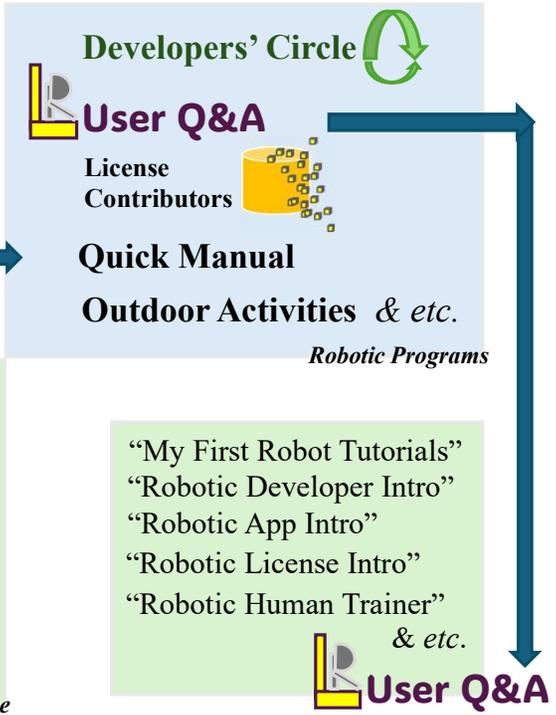
# Example 1: A customer example

*Chilly* receives her first home service robot, which is an **Intelligent Being\***, equipped with Artificial Intelligence Level 3. She quickly *assembles* it as the User Guides.

*She exits* the Customer Experiences Data Sharing **Program**.

*She joins* other Programs.

- ❖ Other Robotic **Programs** for customers: →
- ❖ *Robotic App Store*:



## "My Special Friend"

**App Score:** 1000

**Descriptions:** Special care for autism kids, offer accompanies, safety guides, human specialists' hours available, and with user privacy concerned.



## "My First Robot Tutorials"

**App Score:** 100K

**Descriptions:** The top-recommended program offers lecture notices, learning progress, knowledge notes, and an end-stage diploma to help customers go into the next connected program. It has an optimal staged design for customers to choose their learning paths, from the beginners to the medium-level developers, even to the professional Robotic Trainers, and/or introductions of the Robotic License Businesses.



## "Dog Mate"

**App Score:** 993

**Descriptions:** Take care of your dog by your calls, such as refill the water and food fountains, clean dog plates, leash dog, walk dog, unleash dog, shower dog, pet doctor & pet specialist' hours available, and with user privacy concerned.

### Intelligence Level 3: An Intelligent Being\*

**Cognitive Science:** logic constructions, expression capabilities, objective perceptions, moral sympathy, emotional sensory, unbiased judgement, motion capabilities, data analysis, grouping benefits, complex algorithms, etc.

[THE SHIP \* Part III] chapter 2.3

# Novel Wall Technology

- ✓ Well-merged Virtual Assistant Management Technology and Substantial Service Robots
- ✓ Offer User-Privacy Concerns between various characteristics virtual assistants and service robots under security codes
- ✓ Offer different management roles from the virtual assistants entitle in Artificial Intelligence Techniques applied by customer preferences

## Lindea | MA

- Security Gate
- Kitchen Service
- Greens Gardening
- Home Organizer
- General Messenger

## Bliss | SA

- Smart Office
- Virtual Meeting
- Virtual Office
- Office Organizer
- Office Messenger

## Precious | PA

- Private Organizer
- Private Health
- Private Security
- Near-field Service
- Private Messenger

