



# Asimovo

A cloud - based platform for developing and testing robots

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A cloud - based  
platform  
for **developing and  
testing** robots

Ludo Stellingwerff, Chief Technical Advisor

[ludo@asimovo.com](mailto:ludo@asimovo.com)



## OUR TEAM

# Our Founders & Leadership team

Christine Fraser, CEO & Founder

Ludo Stellingwerff, Chief Technical Advisor

Aad Nales, Business Builder

Marieke Peeters, Chief of Artificial Intelligence

Réka Bérci - Hajnovics, Robotics Engineer





## OUR VISION & MISSION

We believe in a world where everyone benefits from the positive influence robots bring

Asimovo is on a mission to create a platform where you can develop robots that we trust, and want, to be part of our everyday lives



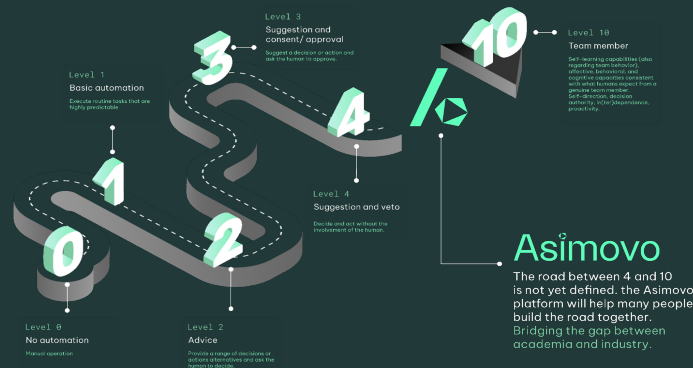
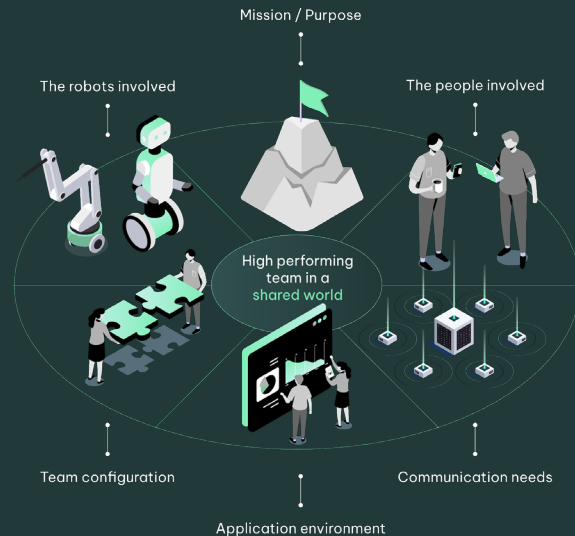
## OUR VISION & MISSION

“Teams of the future will consist of humans and robots working in synergy, unleashing unparalleled, powerful performance levels.”



Marieke Peeters  
Chief of Artificial Intelligence

[Download](#) our Vision White Paper  
to find out more





THE PROBLEM WE SOLVE

# Robots will become part of everyday life - are we ready?

Robots becoming >90% software, and getting smarter

## <10 % Physical

Most robotics tools are still focused on developing the Robot hardware.

New tools are needed to develop the higher order levels of robots

## Trustworthy?

There are legal requirements to operating robots in public and work environments. These requirements will only get tougher

Who decides what is trustworthy?

## Highly Skilled

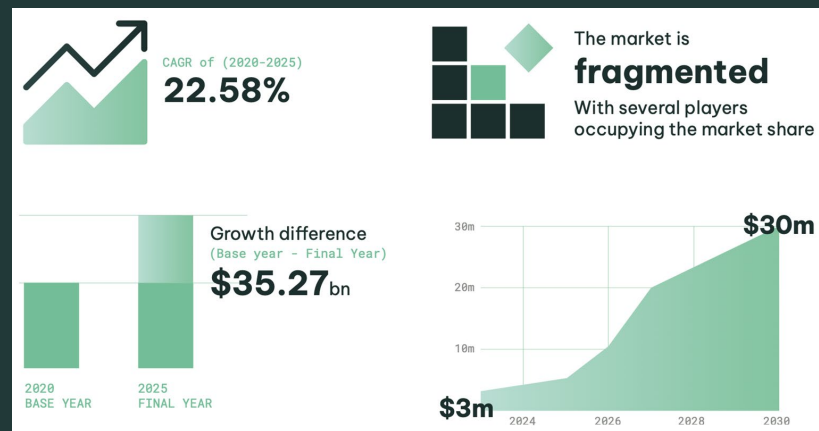
Robots are expected to get become more autonomous in various aspects,. however there is no firm agreement from the robotics community what those higher levels of autonomy should be.

## MARKET OPPORTUNITY

# There is a need for Robotics DevOps

Robots will become integrated into how we work, live and play

1. The robot market is growing fast (>20% CAGR)
1. There are not enough robotics engineers (~200K globally)
1. The standard tools and ways of working are not scalable



Service Robot global market, this includes both professional and personal robots. This does not include Industrial robots. Different sources quote slightly different numbers. See our white paper for all references

Driving principles

# Driving principles



## Ideation

Empower creativity and innovation through the Asimovo platform, do not constrain it



## Simulation

Use Simulation together with cloud computing to power an iterative development process



## Collaboration

A platform for the robotics community. Where many can develop using integrated tools and systems



## Realisation

Enable Autonomy in Robots – with best practices in training and developing autonomous systems



OUR PRODUCT

# Asimovo

A cloud - based platform  
for **developing and**  
**testing** robots

Your **Robotics DevOps** Solution





## THE PLATFORM

Asimovo empowers engineers to **collaborate** by providing a platform that enables them to use **simulations** to develop and test their robots.

We provide open access and secure protocols for connecting real robots.

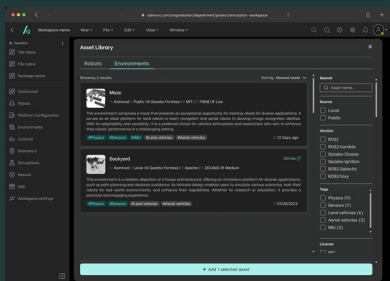
Making it a one stop shop for developing robots.





## OUR PRODUCT

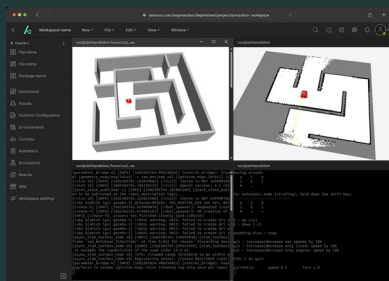
Share and  
collaborate easily



Pick from our library of parts or  
upload your own:

- Robot body
- Components & Sensors
- 3D worlds
- Python libraries
- Scenarios & missions

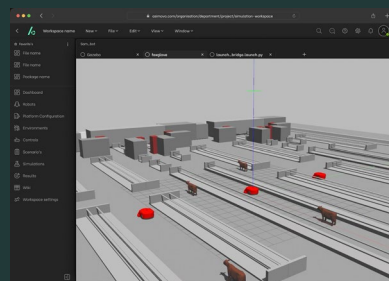
Access full  
robotics toolkit



All your working windows available  
in one platform

- ROS
- Gazebo
- Sensor data
- Code in Python & C++

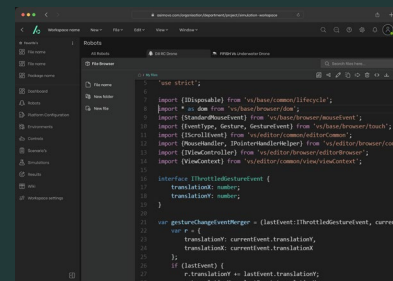
De- risk projects  
with scenario testing



Train your robot using  
simulation

- Standard tests to prepare your robot to be more autonomous
- Reduce risk and time to market
- Train single and/or multiple robots

Transfer between digital  
and real world easily



Transfer high level control to the  
robot body by changing one line of  
code

- Transfer from digital to real world seamlessly
- Upload real sensor data
- Real time remote troubleshooting
- Support hardware - in- the - loop testing in our premium setup1
- Reduce in field downtime with predictive maintenance

## THE PLATFORM

# Our platform is feature-rich to enable you to:



Set up **cloud - based** projects



Share and **collaborate** easily



**Iterative** development



Access the full robotics toolkit all in **one platform**



**Automated** scenario testing



**Transfer code** to robot hardware easily



De-risk and train using **simulation**



Visualise **real data** in the platform



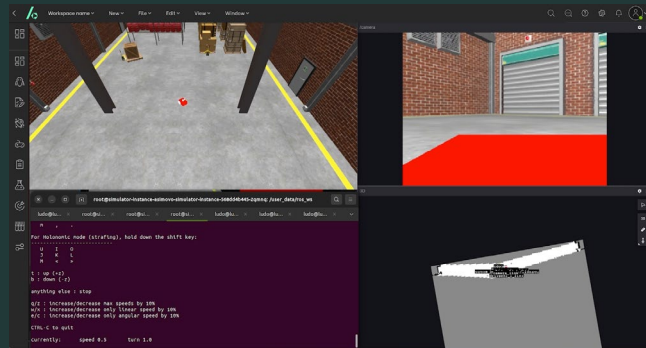
## YOUR WORKSPACE

You have your own **private workspace** to develop and collaborate

Each workspace has:

- Your own private **storage** and **asset library**
- Personal simulation instances
- Workspace tools: dashboard, wiki, file-management, and terminal- access to the simulations

Collaboration and sharing is an active process: You decide who you're teaming with.



## THE PLATFORM



Familiar tools, adhere to online knowledge and tutorials



Scalable and flexible resources for simulation



Supports ROS2, Gazebo (Humble), PX4 in freemium accounts.

Other simulators, controllers, and tools can be made available.



Focus on shareable, collaborative assets: hardware, environments, control systems, scenarios

*“Bring your **personal development environment** to the cloud, alleviating the need for setting up complex tools and infrastructure. This allows you to focus on the **robotic development**, instead of on the tooling. It's our challenge to make this migration as fluent and painless as possible.”*



Ludo Stellingwerff,  
Chief Technical Advisor



# Time to get real:

# A live preview of the Platform





OUR GO-TO-MARKET

# Four tiers to getting started

## 1/ Freemium

Share and Collaborate, up to a team of 3

access to basic asset libraries -  
hardware components &  
simulation environments

ability to set up projects with  
initial simulation credits

store the projects and  
associated results

## 2/ Essential

Everything in Freemium with  
additional

members up to a team of 10  
additional ROS distributions  
1000 simulation credits

storage for all your projects

## 3/ Core

Everything in Essential with  
additional

members up to a team of 50  
new libraries & assets, and full  
scenario planner

4000 simulation credits

parallel simulation running

dedicated robotics support

## 4/ Enterprise

Everything in Core with additional  
ability to customise your package

Ability to control the geographic  
location of the hosting

ability to request tool integrations  
or custom asset builds

collaboration features, and the  
ability to integrate deeper into  
your existing tools

dedicated full support package



OUR GO-TO-MARKET

# Getting started **today**

Sign up now to participate in our Beta group

Scan the QR CODE  
or go to  
[asimovo.com/getting started](https://asimovo.com/getting-started)



Sign up for a free launch  
account

Include **AsimovoTrial** in  
your signup message

Be upgraded to  
freemium account once  
available

Beta groups running  
throughout June & July  
and converting to  
freemium accounts in  
the summer



Asimovo.com  
[info@asimovo.com](mailto:info@asimovo.com)