ADL ROBOTICS

THE WORLD'S FIRST ROBOT BUTLER

www.adlrobotics.com

PROBLEM

Majority of domestic jobs are still done manually, wasting valuable time for humanity.

Quality of living is dependent on personal effort.

An average person spends 30% of their time cooking and cleaning

Development towards general purpose robotics is limited.

SOLUTION

A general-purpose robot for the domestic space, capable of autonomous activities of daily living.

A robot capable of dextrous manuvers, using advanced vision, perception and actualtion technologies. Potential to learn new skills over the air.

HOW IT WORKS

STEP 1

COMMAND & STEP GENERATION

The robot receives command and the software generates all the steps required to complete the command goal.

STEP 2

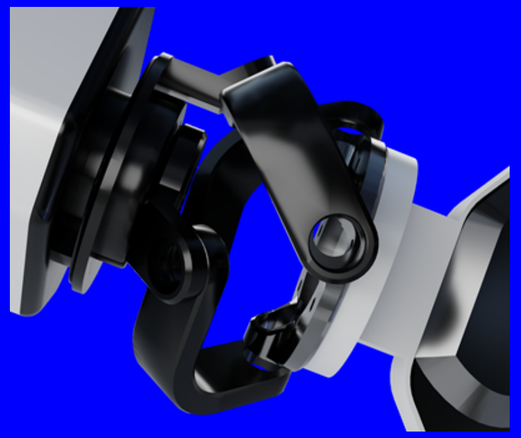
VISION & PERCEPTION SOFTWARE

The robots AI powered vision captures its surrounding, identify objects and its dimensions and orientation. A tracking algorithm tracks the position of the objects.

STEP 3

KINEMATICS & ACTUATION

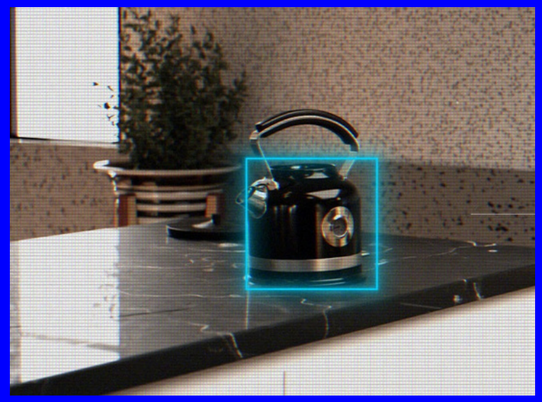
Using the position input from the vision using, the kinematics algorithm calculates the best possible trajectory of the robot arms to perform the task in the steps backlog.



STEP 4

STEP CONFIRMATION

The perception sensors including camera vison and tactile sensors, the robot confirms if the step has been completed successfully and moves to the next. Else take corrective measures.



ACHIEVEMENTS SO FAR

3D MODELLING & RENDERING

We have completed the

3D DESIGN

of the complete robot. This helps us envision the final product and work to make it a reality.

SUPPORT BY DASSULT SYSTEMS

We love and use

SOLIDWORKS

We are supported by the Dassault startups scheme with premium access to Enterprise Development and design suite.

ROS SIMULATION

We can see it work

VISUALLY

in ROS simulator. This helps us with the development and tracking of kinematics, vision and step generation software.

AI VISION & PERCEPTION SOFTWARE

We use the AI Vision software

YOLO

and curated images to train a vison model to identify kitchen objects and verification and tracking of manipulations.

BUSINESS MODEL

We generate revenue through sales of ADL Domestic robots

Direct sales, leasing and financing options

30-40% profit margin.

Licensing of AI-Robotics vision and manipulation software. Custom robotics solutions. Expand to commercial and industrial robotics.

MARKET TARGET & SIZE

130M

130 million households welcome a smart device

2.3 Billion homes in the world

2.3B

10%

of 2.3 Billion homes in the world are in upper middle class*

Data used from the UN and Architecture & Design Survey*

GO TO MARKET STRATEGY

SOCIAL MEDIA

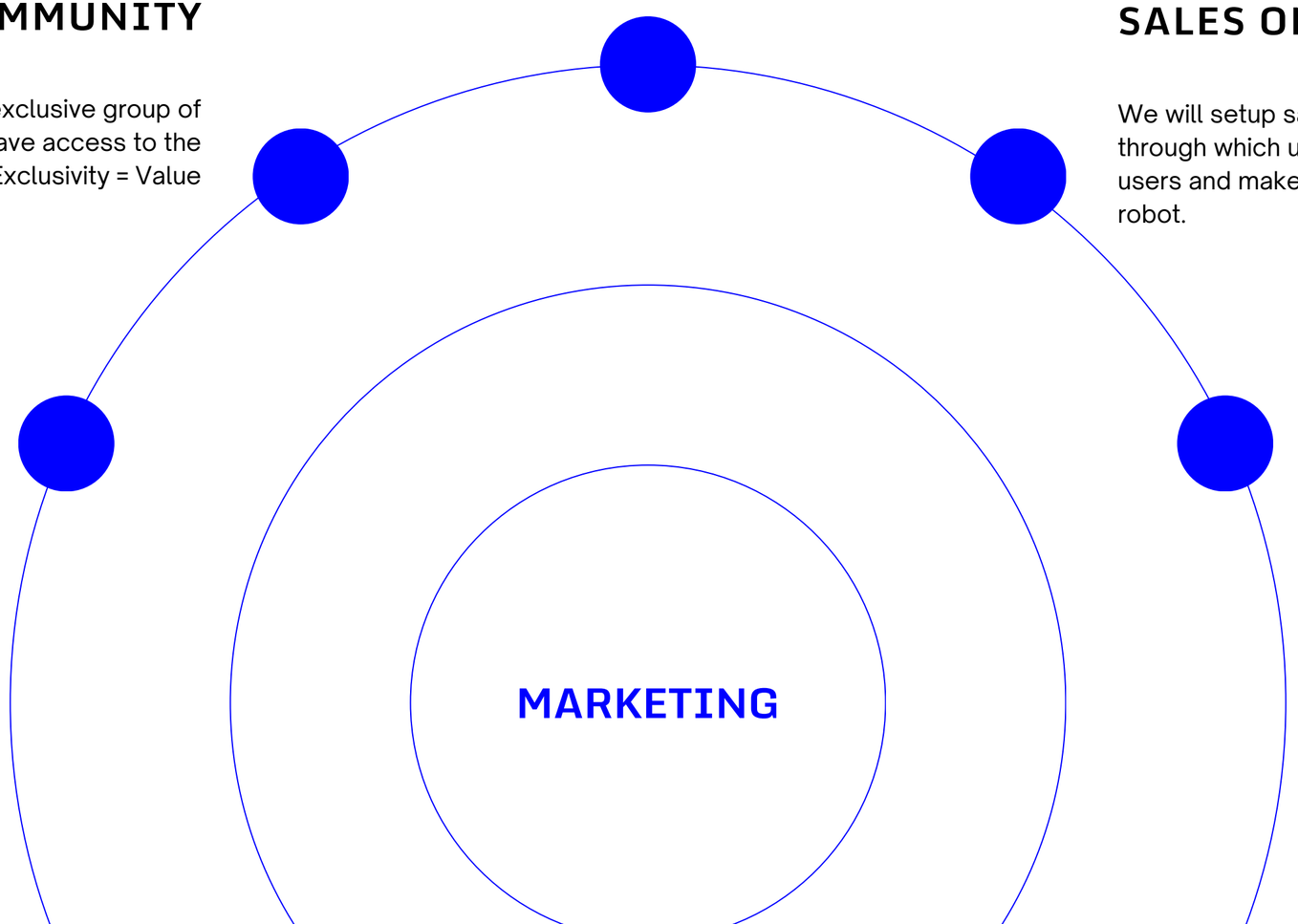
We will social channels to post product videos showcasing the working o the product. People would want to see a robot preparing a gourmet meal.

LIMITED USERS COMMUNITY

We setup an exclusive group of users who will have access to the product. Exclusivity = Value

MULTI-CHANNEL SALES ONLINE

We will setup sales channels through which users can onboard users and make a purchase of the robot.



TECH PRESENTATIONS, DEMO VIDEOS, PR

Do it Steve Jobs style. When you have an amazing products all eyes will be watching.

LEASING & FINANCING OPTIONS

Users can choose to lease the robot from the company. This eliminates entry barrier for users and more profit for the company.

COMPETITORS

There is no business without competition. Why do we think that? If there is a real problem you address, there is, for sure, someone of your potential customers is also trying to solve the problem. In most cases, this will be a product of a competitor of yours.

TESLA	Tesla is working on “Optimus Gen 2”, a new generation of its humanoid robot that should be able to take over repetitive tasks from humans.
Figure	AI Robotics company is building general-purpose humanoid robots, recently closed $675 million from investors including Jeff Bezos, Nvidia, Microsoft and OpenAI, valuing it at $2.3 Billion
MOLEY ROBOTICS	Moley Robotics has created the world's first robotic kitchen. Featuring an advanced, fully functional robotic solution. They opened their new showroom in London.

FOUNDING TEAM

FOUNDER

MONU JOHN

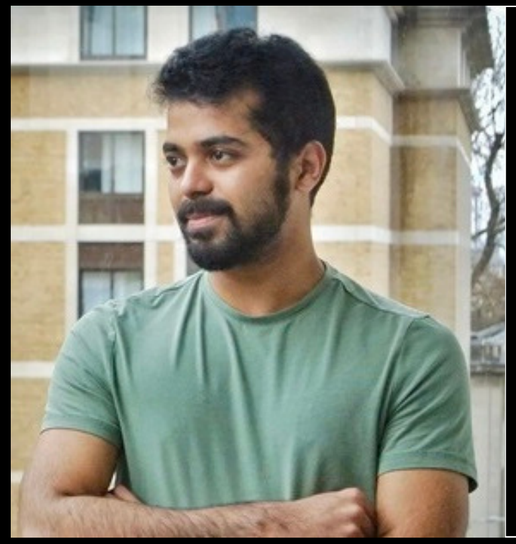
ADL robotics is led by Monu John, who has over 10 years of experience in cloud software development and entrepreneurship. A mechanical engineer by education, John is driven by a passion for building the future of robots to change human lifestyle.

John is joined by a team of developers and designers with combined experience of decades and timless supply of passion.

NIJU THOMAS

ENGINEERING

Our Engineering is led by Niju Thomas, who has over 20 years of experience in a wide range of Engineering projects from consumer goods to space robots.



SRIJITH S

DEVELOPMENT

Our development is led by Sree, who has over 7 years of experience in robotics and mechatronics development and prototyping.

LONG TERM GOALS

1st Prototype in

2 Years

Valuation 100 Million

1st Production model in

5 Years

Valuation 1 Billion

1 Million sales in

8 Years

Valuation 20 Billion

IPO & Expansion in

10 Years

100 Billion Valuation

INVESTMENT ASK

We are seeking an investment of

$2,000,000

For the research, development and release of the first working prototypeof the robot in 2-3 years.