

Enova  
ROBOTICS

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**2020**



# Company Presentation

Enova Robotics is a company established in 2014 in Tunisia and specialized in mobile robots development and Artificial Intelligence.

**Our main expertise is autonomous navigation and object/anomaly detection**

First to Market in commercializing Autonomous Technology in real world application in 2015



Security



Education



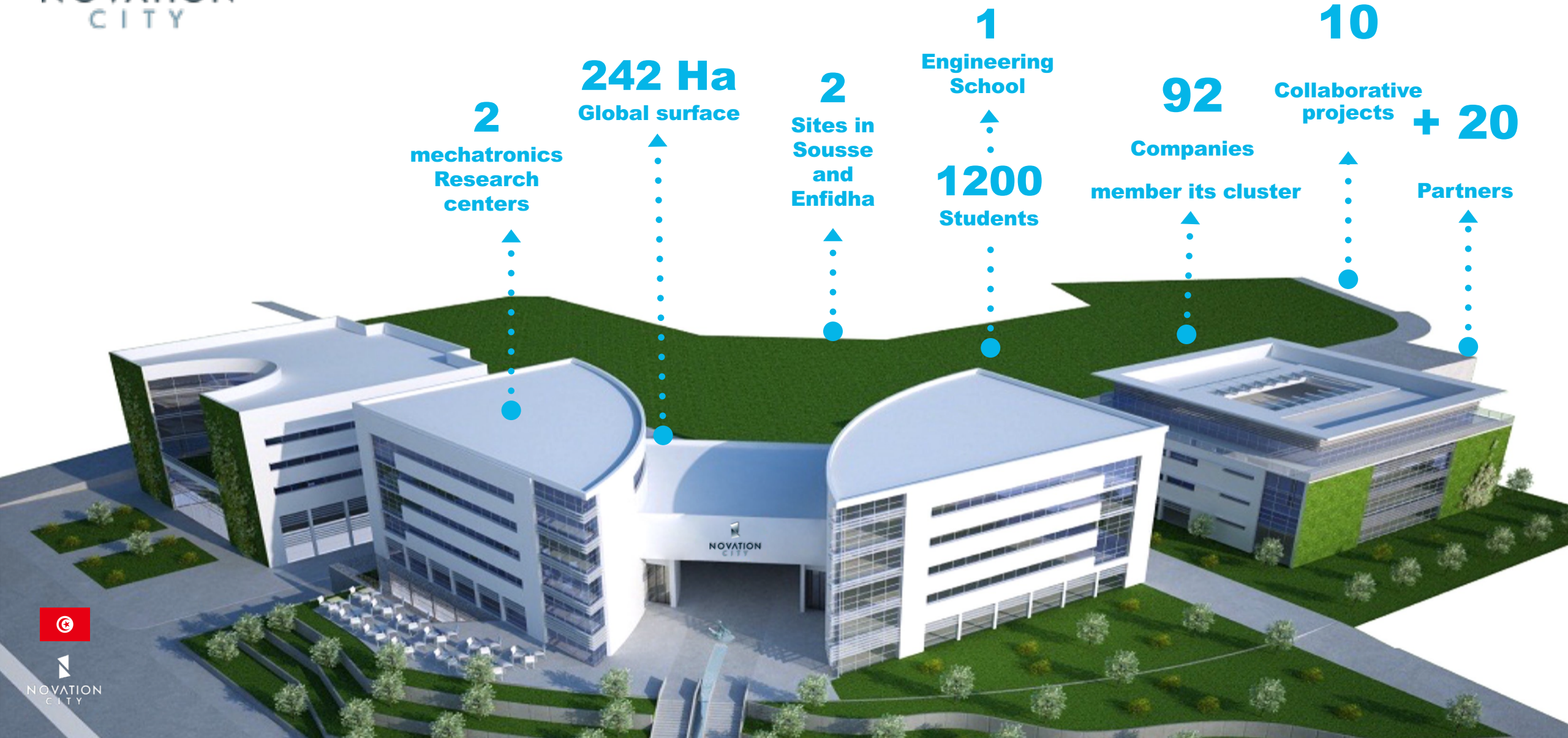
Healthcare



Industry 4.0



# A NEW CITY WHERE YOUR BUSINESS CAN GROW AND INNOVATION WILL THRIVE





# Vision & Strategy

**Enova Robotics** : to develop Civil Security Robot, Healthcare Robot, Industrial Robot, totally exporting company (B2B)

**Enova Defense** : to develop Defense and Military robots, based in Sousse – Tunisia

**Diva Robotics** : to develop consumer robots (B2C), based in Paris – France



## Enova Robotics (TN)

Hardware + Software

Export

Novation City - Sousse - Tunisia

Share Capital: 1 600 000 TND

30 collaborators

Established



## Enova Defense (TN)

Hardware + Software

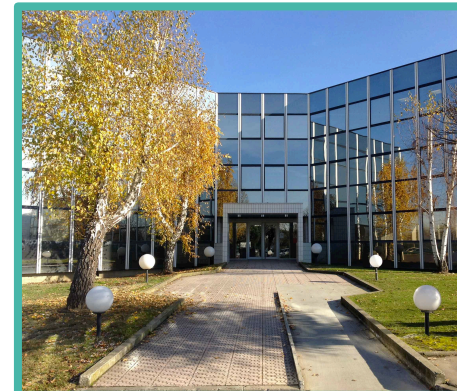
Tunisian Market

Novation City - Sousse - Tunisia

Share Capital: 5000 TND

3 collaborators

Established



## Diva Robotics (FR)

Software dev and EU

Maintenance Services

Station F – Paris – France

Share Capital: 500 000 €

5 collaborators

Established



## GCC Robotics

Middle East

Reseller and Maintenance

Services

Short Term



# Advisory Board



**A. SAHBANI**  
CEO



**C. Grand**  
Fr. Aerospace Ag.



**F. Ben Amar**  
CNRS



**H. Hafsi**  
Accountant



**T. Chaguour**  
DG Capsa Capital  
Partner

**Over 100 Years cumulative of research in Robotics**

## Enova Robotics Team

**2 Departments - 26 Engineers:** Mechatronics (Hardware), Software

**3 Managers:** IT, Sales & Marketing, Finance & HR

**1 Administrative Manager**

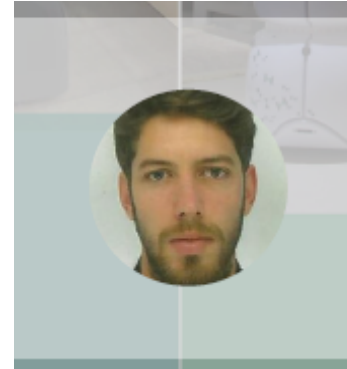


# Diva Robotics in Paris

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**Mathieu GONCALVES**  
COO & Sales



**Sebastien Dignoire**  
CEO & CTO



**Frédéric Glaubert**  
Safety & Security Manager



+ 3 engineers specialized in artificial intelligence and deep learning algorithms development



# P-Guard Security Robot for Autonomous Patrolling

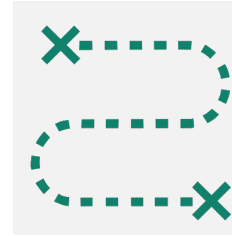






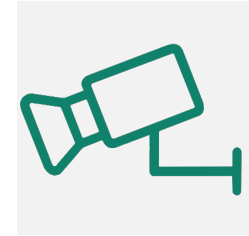
# P-Guard

All terrain mobile robot for autonomous patrolling



**Patrol**

Autonomous and secure navigation



**Survey**

Real-time Data streaming



**Detect**

Intrusions and anomalies

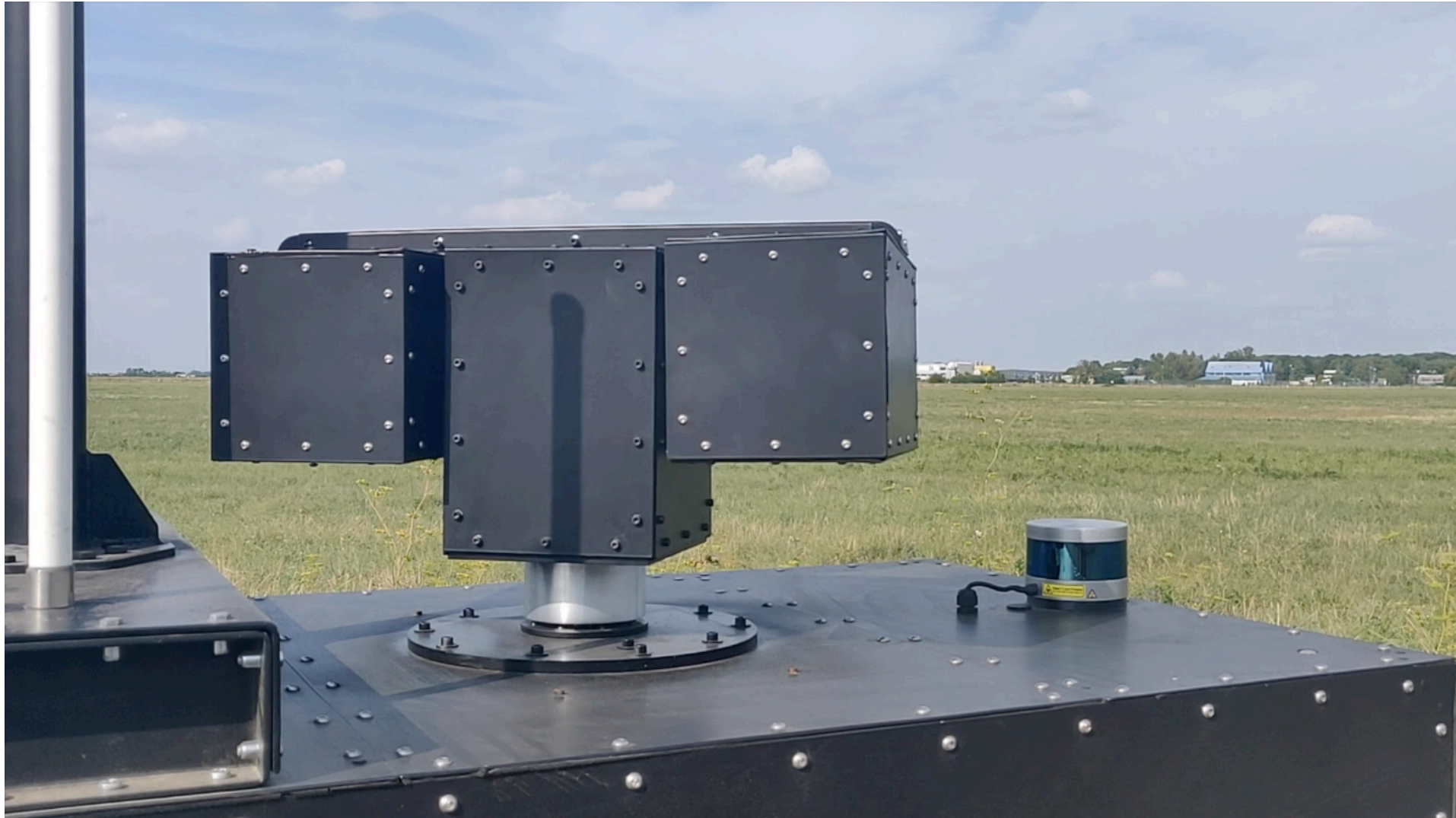


**Alert**

Room control



# P-GUARD – 1<sup>st</sup> Security Robot for Civilian Use



# P-GUARD – 1<sup>st</sup> Security Robot for Civilian Use





# P-GUARD – Market adoption & Customer Validation



# COVEALINK

## Health & Elderly care





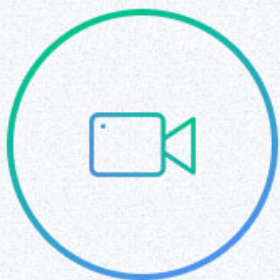
# COVEALINK – telepresence Robot for Healthcare use

**COVEALINK** is a robots designed to assist aged person in a Nursing Home. It is the answer to a predicted shortage of caregivers to serve our rapidly aging population.

**COVEALINK** provides COVEALINK, continuous monitoring and tele-vigilance. Doctor could connect if necessary and make preliminary diagnostics. It makes you interacting with people in remote location and in a synchronous way.



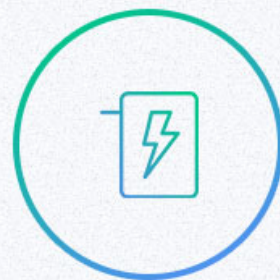
# COVEALINK – telepresence Robot for Healthcare use



Real-time  
Video Chat



Remote  
Control



Auto-charging  
Support

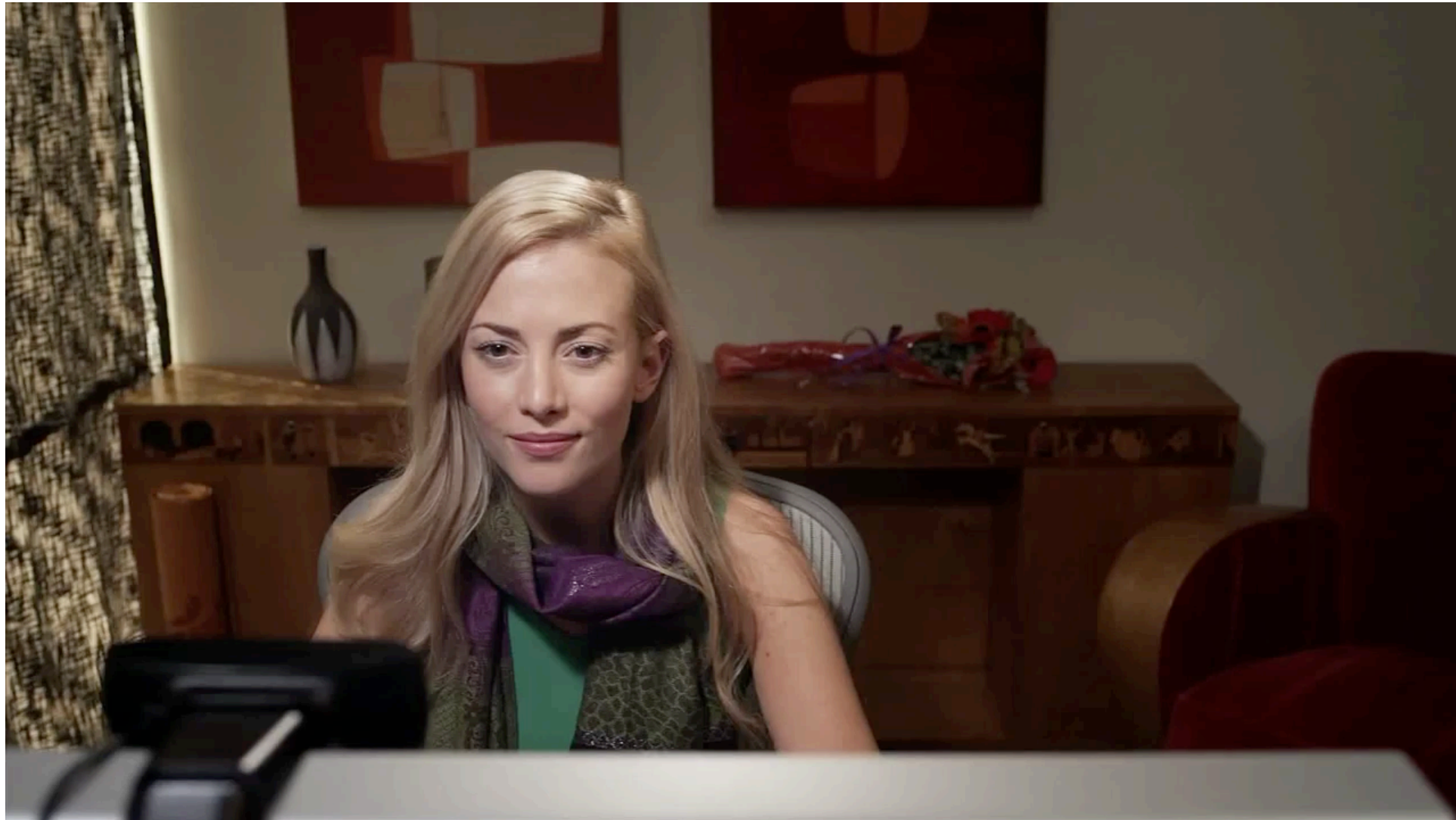


Obstacle  
Detection



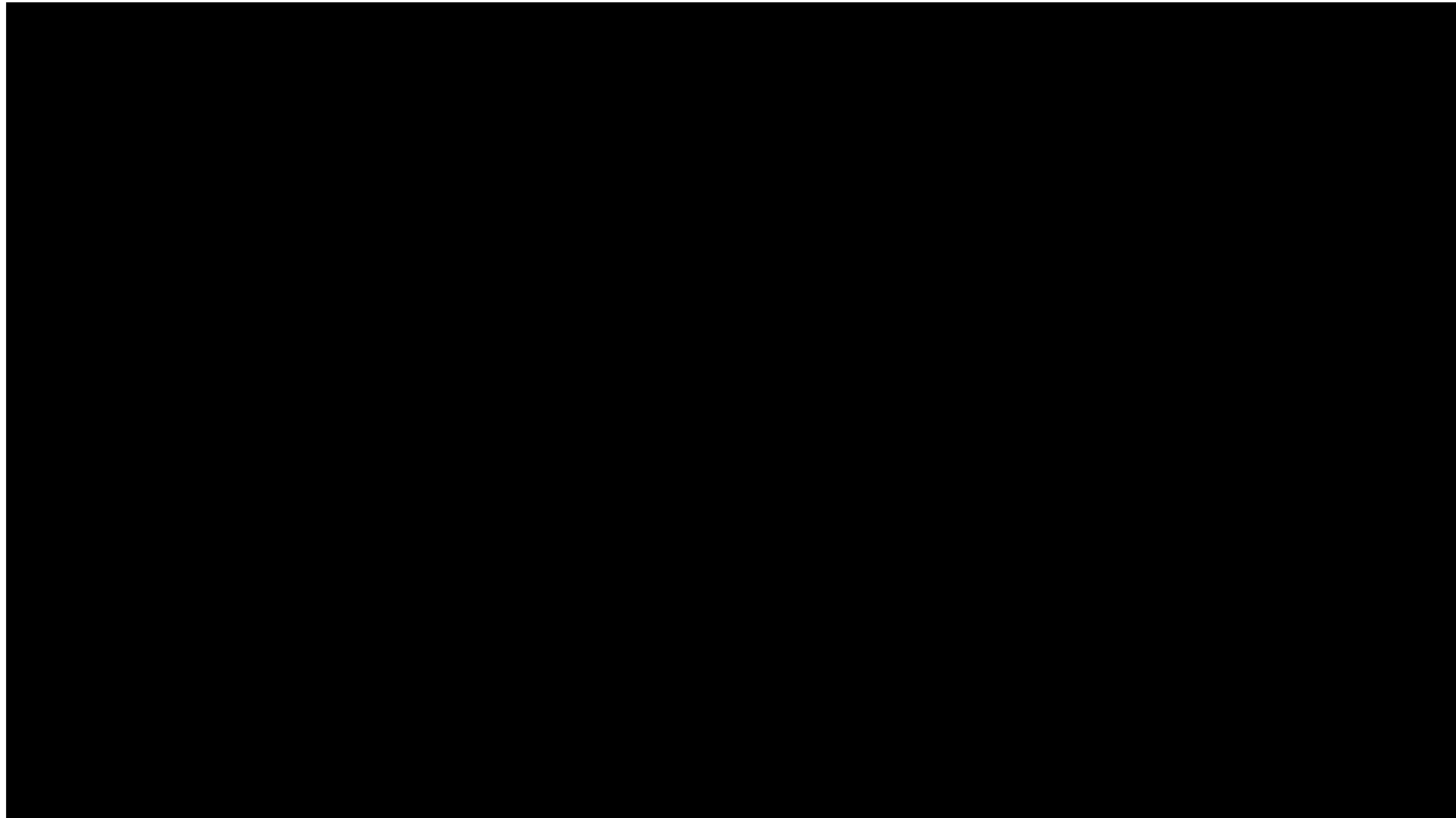


# COVEALINK – telepresence Robot for Healthcare use



# COVEALINK – telepresence Robot for Healthcare use

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# COVEALINK – Market adoption & Customer Validation



# AGV Logistics Robot





# AGV

## Industry 4.0

AGV is autonomous mobile cart designed to carry a payload from warehouses to production lines in a wide range of industries. The AGV is used by manufacturers to automate their in-house transportation and logistics.

Depending on customer's activity demand, customized top modules can be mounted on the ERA-GV to support different type of payloads.



INCREASE PRODUCTIVITY



REDUCE COSTS



INFRASTRUCTURE FREE

## Security & safety

ERA-GV is guided by virtual navigation for fast and reliable transportation while providing maximum personal safety.

## Principal advantages

- Easy deployment without changing the workplace layout
- Various top modules possibilities
- User-friendly interface for easy configuration
- Allows employees to focus on high-value activities, not deliveries
- Enhance production flow and make significant progress
- Safely and efficiently maneuvers around people and obstacles
- Guarantee fast ROI





# Awards



Winner of the National Competition of Innovation, Tunisia 2014.

Winner of the Best Young Entrepreneur in Tunisia, 2016.  
Winner of the National Competition of Invention, Tunisia 2016.

Winner of the WIPO Gold Medal World Intellectual Property Organization, Cairo 2016.

Gold medal at the International Inventions Fair of the Middle East, Kuwait 2017.

Winner of the WIPO Gold Medal (World Intellectual Property Organization), Kuwait 2017.

**Winner of the Gold Medal at the International Exhibition of Inventions of Geneva, 2017.**

Fund raising record in Tunisia in 2018 1.6 M\$ - Capsa Capital Partner

Startup Act Label in 2019

Winner of OCP Mining Challenge 2019 in Morocco



**Enova ROBOTICS is considered as a key company by the Security Robots Market (2016-2021)**

[arcluster.com/research/studies/security-robots-market/](http://arcluster.com/research/studies/security-robots-market/)



The image shows two black, boxy mobile robots with large, treaded wheels positioned in a grassy area with several trees. The robots have various sensors and cameras mounted on top. The background is slightly blurred, showing a parking lot with cars. The text 'Thank You For Your Attention' is overlaid in white, bold font at the bottom of the image.

**Thank You For Your Attention**