

IT+Robotics

COMPANY PROFILE

2019



- Founded in **2005** as a spin-off of **University of Padova**, now a team with 20+ highly specialized professionals
- **2018** approx. turnover: 1.5M€
- Strong relationship with **IAS-LAB** (Intelligent and Autonomous Systems Lab)



Increase the flexibility of industrial process by transferring the latest results of academic research into industrial solutions



Registered office

Vicenza

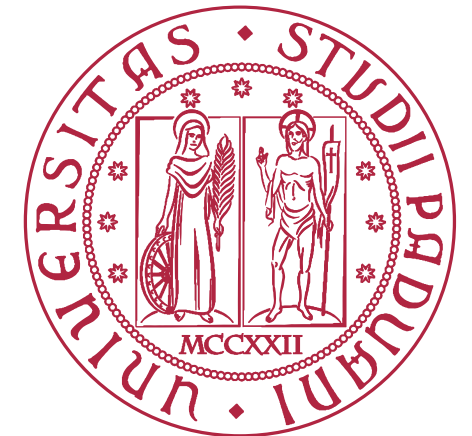
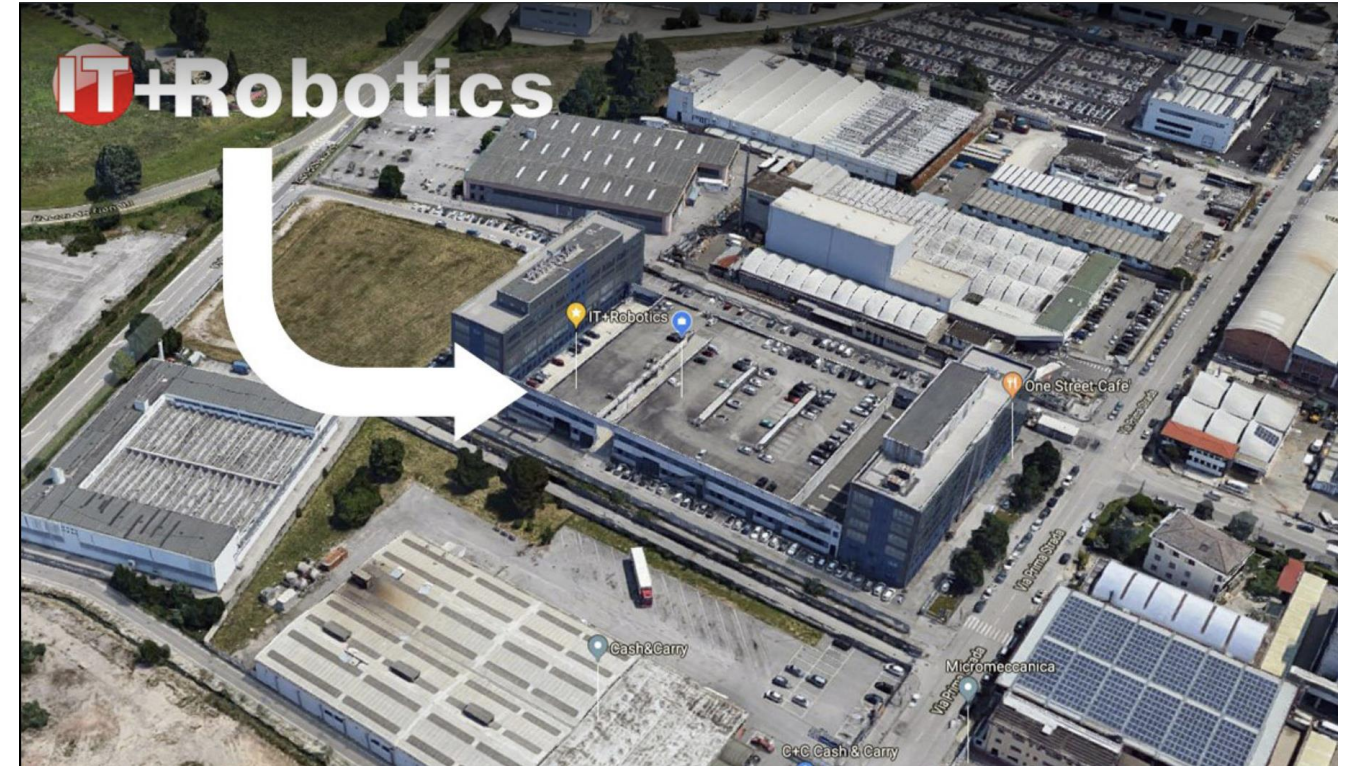
Headquarters, lab and warehouse

Padua

Main collaboration

IAS-LAB

University of Padova, Padua



(see last page for contact details)

SKILLS

- 2D & 3D vision
- Robot simulation
- Machine learning

APPLICATIONS

- Robot guide
- Visual Inspection



HOW

- Standard products
- Custom projects



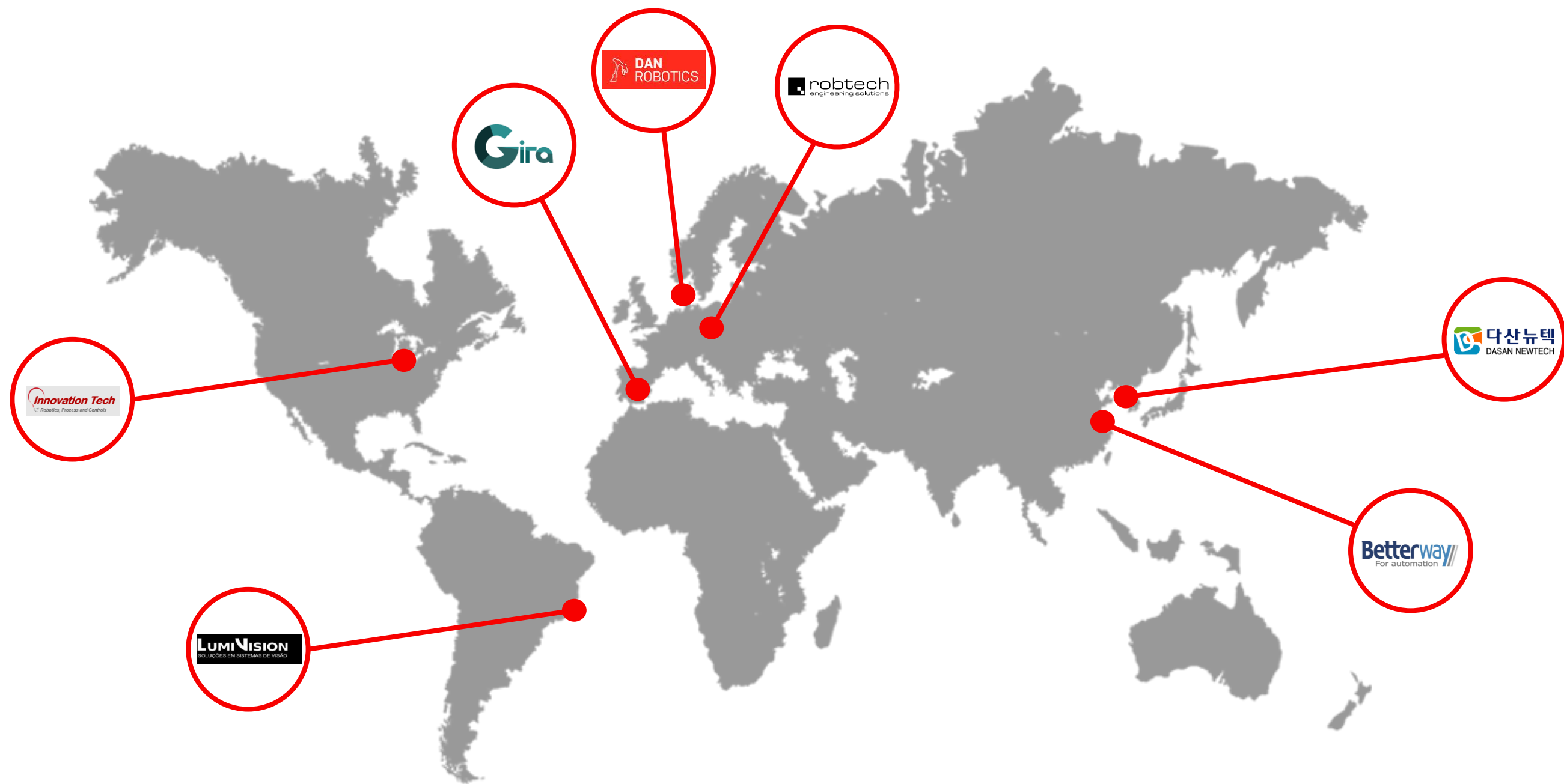
From academy to industry:

International research projects

- 4 current H2020 EU projects underway
- More than 15 projects completed
- More than 2€ million invested in R&D
- Our products are mostly coming from EU projects



COMPANY PROFILE | WORLDWIDE PARTNERS



COMPANY PROFILE | END USERS



IT+Robotics

PRODUCTS & SERVICES

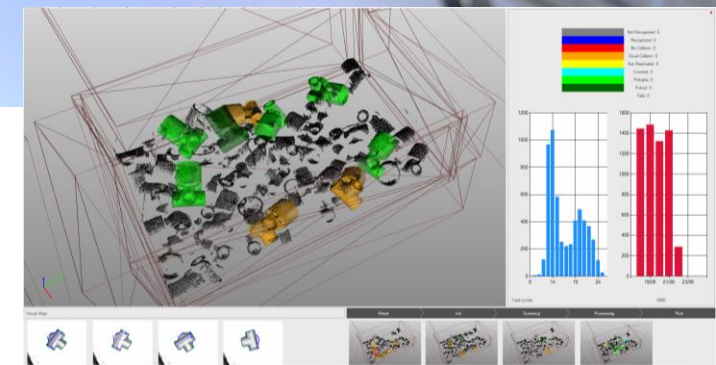
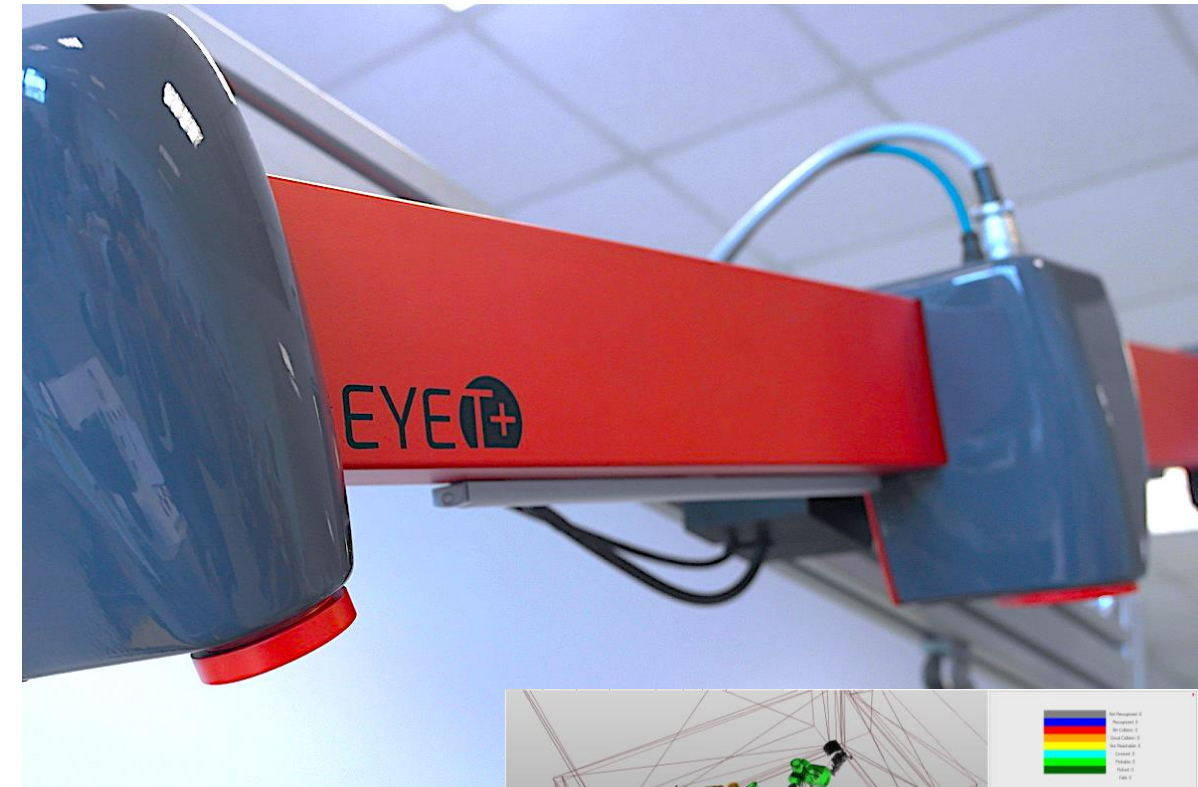




3D-based vision system designed for Random Bin-Picking

Key features:

- 3D acquisition
- Complex geometry
- Import 3D CAD model
- Collision detection
- Trajectory planning
- Generic bin/pallet
- Tools for robot integration
- Cycle time: min 4 sec, avg: 13 sec

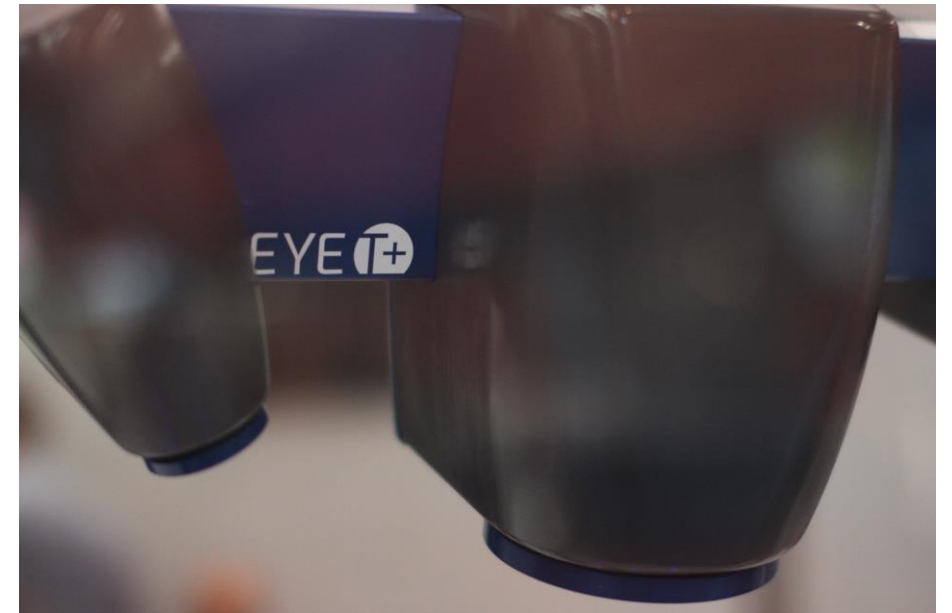




3D-based vision system designed for Visual Inspection

Key features:

- Compatible with any robot
- 3D acquisition
- Complex geometry managed
- No CAD model needed
- Set the reference model executing the automatic learning procedure
- Simple new product definition interacting with the robot
- Real-Time Visual Feedback



IT+Robotics designs and develops customized solutions for its customers.



The IT+Robotics R&D team works closely with the customer in order to transform the client's need into a reliable and robust solution that **simplifies, optimizes and increases flexibility** in the industrial production process. **What we worked on:**

- Completeness visual inspection
- Aesthetic inspection
- Robot guidance
- Task planning for visual inspection
- In-line process monitoring



IT+Robotics

INTERNATIONAL RESEARCH PROJECTS



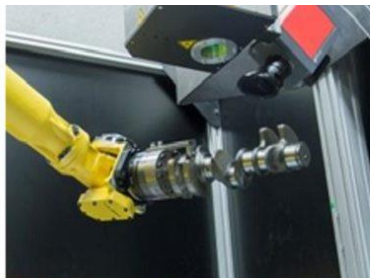
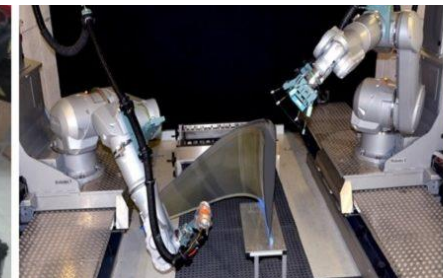
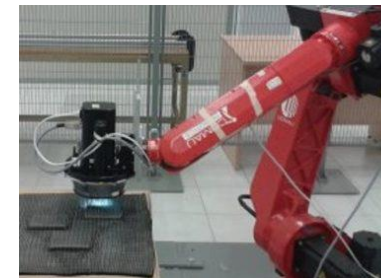
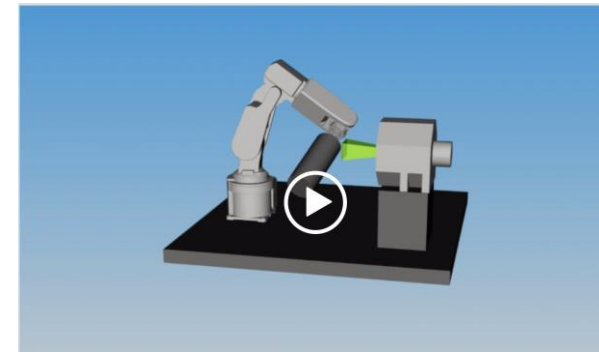
Currently engaged and active in **four different EU H2020** international projects, each featuring its own unique challenge and field of application:

ROCHI – Advanced visual inspection

EURECA – Autonomous navigation and robotic vision

COROMA – 3D reconstruction and scene understanding

SPIRIT – Automated visual inspection



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



CONTACTS



Registered office

Contrà Valmerlara, 21
36100 Vicenza
Italy

Headquarters and lab

Strada Prima, 35
35129, Padova
Italy

Email

info@it-robotics.it

Web

www.it-robotics.it
<https://www.linkedin.com/company/it-robotics/>
<https://www.facebook.com/itroboticsit>

