ROBOTECH DESIGNS AND DEVELOPS ROBOTIC SOLUTIONS FOR SPECIFIC APPLICATIONS
ROBOTECH DESIGNS AND DEVELOPS EMBEDDED VOICE RECOGNITION SOLUTIONS, SPEAKER DEPENDENT OR SPEAKER INDEPENDENT
ROBOTECH DESIGNS AND DEVELOPS ELECTRONICS FOR THIRD PARTIES: FROM DESIGN TO MASS-PRODUCTION
ROBOTECH
I-DROID 01
EDUTAINMENT ROBOT
Programmable robot in construction kit.

A worldwide success: sold from 2005 to 2011 in Italy, Poland, Japan, Spain, The Netherlands, Portugal, Belgium and Brazil for a total of about 100,000 robots.

In cooperation with De Agostini.
Winner in 2008 of the ‘Fifth EURON/EUnited Robotics Technology Transfer Award’ with I-Droid 01.
Service Robot for urban environment.
Garbage collection and transport, goods delivery and transport.
Autonomous navigation with obstacle avoidance.
Laser and differential GPS with centimetric resolution.
Touch screen, speaker and led for HRI.

Dimensions (l x w x h): 100 x 75 x 145 cm
Weight: 150 Kg
Max speed: 4.5 Km/h, 1.25 m/s
Battery runtime: about 10 hours
First and sole worldwide outdoor robot tested with real users in a real environment to provide garbage collection service.

In cooperation with Scuola Superiore Sant’Anna, Synapsis (now Dedalus SpA), Comune di Peccioli and Belvedere SpA.
SUMMER 2010 IN PECCIOLI

- 2 ROBOTS DEPLOYED
- 35 USERS INVOLVED
- 402 SERVICES PROVIDED

- 120 KM TRAVELLED
- 585 KG OF WASTE COLLECTED

Length: 2.29 m
Weight: 75 Kg
Draft: 25 cm
Maximum speed: 4 knots
Battery runtime: 6 hours at 2.5 knots
Demonstrated at Isola del Giglio around the wreck of Costa Concordia.

In cooperation with Scuola Superiore Sant’Anna and Istituto Superiore per la Protezione e la Ricerca Ambientale di Livorno.
SUMMER 2014 AROUND THE COSTA CONCORDIA WRECK:

- 1400 M TRAVELLED IN 45’ FOR ACQUISITION AND ANALYSIS OF WATER SAMPLES
- 150 DATA ITEMS ON THE PRESENCE OF HYDROCARBONS ON THE SURFACE
- MORE THAN 250 DATA ITEMS CONCERNING PHYSICAL PROPERTIES OF WATER
Road sweeping robot.
Autonomous navigation with obstacle avoidance.
Laser and differential GPS with centimetric resolution.
Brushes and container for garbage collection.

Dimensions (l x w x h): **165 x 112 x 96 cm**
Weight: **150 Kg**
Max speed: **4.5 Km/h, 1.25 m/s**
Battery runtime: **about 6 hours**
VOICE RECOGNITION AND ELECTRONICS FOR THIRD PARTIES
Embedded speech recognition systems in the most common languages and for any kind of product, from toys to robots, from domestic appliances to vehicles.

From conception to design, from prototype samples to small series and large-scale productions.

ROBOTECH

VOICE RECOGNITION AND ELECTRONICS FOR THIRD PARTIES
Partner and only design house in Europe of Sensory.
ROBOTECH

EASY VR & EASY VR SHIELD
Embedded modules for speech recognition with VeeaR brand
EASY VR - EASY VR SHIELD for Arduino.

www.veear.eu
Bluetooth Class 2 module with SPP (Serial Port Profile)
Robust and affordable.
ROBOTECH has been/is partner in national and international research projects co-funded by the European Commission.

DUSTBOT FP6-045299, 2006-2009  
URUS FP6-045062, 2006-2009  
HYDRONET FP7-212790, 2009-2011  
ROBOT-ERA FP7-288899, 2012-2015  
ECHORD++ FP7-601116, 2014-2017
RECOGNITIONS AND AWARDS

WELL-TECH AWARD 2014
RobotEra

PROGETTO ‘ITALIA DEGLI INNOVATORI’
DustClean

FIFTH EURON/EUNITED ROBOTICS TECH-TRANSFER AWARD
I-Droid 01

LIVING LABS GLOBAL AWARD 2012
DustClean

PREMIO START UP DELL’ANNO 2009
Finalista come azienda
ROBOTECH CLIENTS
ROBOTECH srl
main office: largo Ciardelli • 56122 Pisa • ITALY
registered office: via Mazzini 82 • 19038 Sarzana SP • ITALY
phone: +39 050 960519 • VAT: IT01185460118
www.roboTechsrl.com