



AutoLab - High Tech Auto

Vigo, Spain

The business Incubator High Tech Auto (HTA) revs business incubation to the next level. HTA is specialised in the automotive and mobility sector, providing tools and resources such as a top training program for new entrepreneurs and modern offices with a co-working space, meeting rooms and its special feature AutoLab, - a fully-equipped workshop of 239 m² with the latest High Tech to help the Start-ups navigate the automotive & mobility sector's twists and turns and unleash opportunities.

High Tech Auto and its AutoLab is located in the automotive city of Vigo. It is part of the entrepreneurship ecosystems of the Free Trade Zone Consortium (CZV) in Vigo that includes business incubators (HTA), accelerators (BFA among others), and Venture Capital funds (VigoActivo). The AutoLab is the experimental Hub for early-stage entrepreneurs and university projects in the automotive and mobility sector that would like to build and make their ideas for real, totally for free and open to everyone participating in the incubation program. HTA is to say the reserve team of the acceleration programs, to access with their first prototype in hand the accelerators with their funding schemes in place to seek, if needed, collaboration of the companies in the automotive and mobility sector. The AutoLab is where technology is made, - *Making Technology*-, bottom-up at the grass roots, and is situated across the hall next to the High Tech Auto's (incubator) and Business Factory Auto's (Accelerator) Co-working space to build a real entrepreneurial and sector specific self-nurturing environment.

Equipment in the AutoLab includes a rapid prototyping area, with advanced equipment such as 3D printers, laser cutting machines, CNC machines, a fully equipped workshop, a collaborative robot with various grips, a fully equipped IT environment with latest hard- (laptops, tablets, smartphones with state of the art processors and graphics) and software (Mathworks, Solidworks, Autodesk), a 5G network with Cloud and Edge Computing capabilities, and a fully equipped electronics department.

Technologies

3D Printing

- **3 FDM Printers:**
 - x 2 *BCN Sigma w25*
 - 420 x 300 x 200 mm
 - x 1 *Industrial printer*
 - 400 x 580 x 500 mm
- **1 SLA Printer:**
 - Formlabs 3+*
 - 145 x 145 x 185 mm
- **1 SLS Printer:** FUSE1+30W (x2BC) and ABSHOT S3
- **Materials:** PLA, TPU, PET, ABS, PA, PVA, UV Tough and soft resin.
- **Scanner:** EIN Scan Pro HD Shining 3D

IT & Virtualization

Varjo x3, Hololens, Meta quest 2
Cutting Edge IT Equipment (Tablets, mobiles, laptops) with RTX 4030, Mathworks, Solidworks and Autodesk

CNC Milling

- Large scale:
 - Work area: 600 x 900 mm
- Mini scale
 - Roland SRM-20*
- For PCB's
 - Bungard CCD 2*

5G Ecosystem

5G network and servers with Cloud & Edge Computing

Laser Cutting

BeamBox Pro
Work area: 600 x 375 mm

Plotter

Roland LEC-330
- 736 mm

Robotics

Universal Robots UR10e
- x3 Grips

Electronics

Ardunio, welding equipment, components, Pick & Place, Oscilloscopes, etc.

Wood work equipment

Fully equipped workshop for metal and wood.

Our Expertise

HTA - MAKING TECHNOLOGY



Specializes in automotive and mobility prototyping and innovation.

Affiliated with the entrepreneurial ecosystem of the Free Trade Consortia with numerous acceleration programs and Venture Capital funds in place.

Expertise in supporting automotive- and mobility-related projects to become entrepreneurial ventures.

Provides access to cutting-edge equipment.

Promotes collaboration between universities, start-ups and the automotive industry.