

# Making innovation possible

## R&D

Autonomous robot that: maps premises

[R&D](#)[Engineering](#)[Industry](#)[Architecture](#)[Logistics](#)

Experts in transforming business needs into innovative technological solutions from initial concept to mass production

[Start your project](#)

# Services

We offer different services to adapt to your needs, from our Engineering Smart Sessions to solve technical aspects, training for your team, to idea validation, prototyping and production of your products.

## Smart Session

Book a video conference from 1h and unlock your project.



## Training

Specialized training for your team.



## Electronic Design

Custom hardware for your specific needs.



## Firmware Development

Embedded software that brings your devices to life.



## Mechanical Design

Perfect integration of mechanics and electronics.



## Production

From prototypes to mass production.



## Consulting

Expert advice for your technology project.



# Solutions

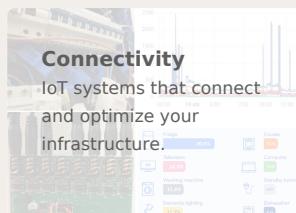
## Automation

Embedded system or robot that your company needs, adapted to your specific processes.



## Connectivity

IoT systems that connect and optimize your infrastructure.



## Efficiency

Monitoring and control solutions that reduce operating costs.



## Scalability

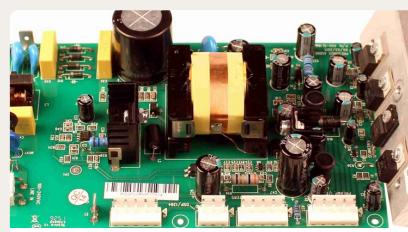
Design and mass production to grow with your business.



# Recent Projects

We manufacture products from all industries, specializing in IoT, Industry IoT, automotive and medical sectors. **Our specialty is solving problems.**

From initial conception, prototyping, to mass production.



## Precision Power Supply

Ultra-low noise linear power supply, current measurement in the range of  $\pm 1\text{mA}$  30V2A x2ch.

[View project](#)



## Autonomous Mapping Robot

Robot with LIDAR and 3D camera for surface mapping and tag detection.

[View project](#)



### Energy Monitoring System

Current measurement up to 100A per channel, compatible with home automation systems.

[View project](#)


### Access Control System

Universal electronic lock with remote management.

[View project](#)


### Bike Rental

Smart lock for bike rentals, with GPS, GSM, and LoRa. Backend Azure IoT.

[View project](#)


### Vehicle Tracker

Device that allows geolocalizing vehicles and detecting sudden decelerations.

[View project](#)


### Medical SmartWatch

Smartwatch that detects vital signs of the patient to prevent health problems.

[View project](#)


### Autonomous Hangar

Hangar for autonomous drones. Automatic loading, incident detection.

[View project](#)


### Cow Tracker

Device that allows geolocalizing cows. Connectivity LoRa. More than 10km of coverage.

[View project](#)


### Fall Detection

Dispositivo que detecta la posición y el estado de trabajadores en altura.

[View project](#)

# Engineering Smart Session

Sometimes a complete project is not necessary, just a second opinion, solving those aspects that block the project, whether they are about production, efficiency, product cost reduction, or how to solve some technical aspect...

**Request a video conference from 1h and unlock your project.**

[Book a smart session](#)

## Partners

We work with the best to offer you the best services.

At TTS Engineering we develop all the product engineering and carry out prototyping. When the product is ready, we manage mass manufacturing with our partners.



### Electronic Manufacturing

Kingron PCB

PCB production and electronic assembly with the highest quality standards.



### Mechanical Manufacturing

Kingron PCB

Precision machining and custom parts manufacturing.



### Logistics

DHL

Global distribution.



### Cloud AWS

Scalable cloud solutions for IoT and data processing.

## Referrals



Do you know any company that might need our services?  
Refer us and we will try to reach an intermediation  
agreement.

[Refer us](#)

## Contact

Contact us to discuss your ideas and start transforming your business with technology.

Name:

Email:

Company:

Project name:

Deadline:

Is there a deadline?

 mm/dd/yyyy

Budget:

Is there a budget?

Contact reason:

 Select a reason

Message:

[Contact](#)