



**Asturias Digital
Innovation Hub**
AsDIH



We promote the
digital transformation
of Asturian
industry



www.asdih.es



Funded by
the European Union
NextGenerationEU



WHO WE ARE

From AsDIH we speed up the digital transformation of Asturian industry

Coordinated by the Agencia Sekuens of the Government of the Principality of Asturias, ten regional entities join forces to enable Asturian companies to experiment with the most advanced digital technologies.

At AsDIH we coordinate the technological infrastructures, resources and services available in Asturias with a view to speeding up the process to digitalise Asturian industry.

We put an entire ecosystem of industrial innovation at your company's disposal

We promote the competitiveness of Asturian SMEs

Funded by the European Union and the Spanish Government, and promoted by the Government of the Principality of Asturias

PARTNERS

ASINCAR

IDONIAL
CENTRO TECNOLÓGICO

CTIC
centro tecnológico

BETEMAS
CENTRO TECNOLÓGICO PRINCIPAL Y DE LA INDAVAL



Universidad de Oviedo

CLUSTERTIC
Asturias

FADE
FEDERACIÓN
ASTURIANA
DE EMPRESARIOS

FEMETAL
INDUSTRY

CEEI
ASTURIAS

SEKUENS
Agencia de Ciencia, Competitividad Empresarial
e Innovación del Principado de Asturias

WHAT EQUIPMENT WE HAVE



SENSOR SYSTEMS

Robotics, augmented reality or 5G laboratories, steel or agro-industrial pilot plants, Li-Ion battery management systems...

VISION TECHNOLOGIES

Robotic cells, portable demonstrators (digital twin), central control system, vector radar signal generator...



DATA ANALYSIS

Infrastructure for simulation in quantum computing, industrial electronics laboratory, drones with sensors for forestry uses, Internet of things platform...

ADDITIVE MANUFACTURING

3D bio-printing equipment, 3D printer for building, laser sintering machines for different materials...



USE CASE EXAMPLES

SENSOR SYSTEMS

Micro-SME in the food industry



CHALLENGE

- Very low level of digitalisation in the company.
- Lack of control of the suitability of raw materials, which affects production.



SERVICE

- Advice on the use of NIR (Near Infrared Spectroscopy) sensors.
- Feasibility study for interoperability and data analytics.
- Customised training in the use of technology.



RESULT

- Implementation of a quality control system for raw materials based on NIR technology.
- Reduction of wastage of raw materials.
- Production optimisation.
- Data visualisation system and production indicators.

ADDITIVE MANUFACTURING

Health sector SME



CHALLENGE

- Use of outdated materials.
- Conventional production system, costly in terms of time and materials (generates a lot of waste).



SERVICE

- Automation of the design process.
- Incorporation of new processes based on additive manufacturing.
- Personalised training in the design and production process.
- Personalised training in the use of technology.



RESULT

- Product customisation and automation of the manufacturing process.
- New line of personalised products.
- Substitution of materials for others with advanced functionalities.

WHAT SERVICES WE PROVIDE



INITIAL ADVICE

Expert advice on the implementation of technologies, comparison of solutions and feasibility studies.



TESTING AND EXPERIMENTATION

Experimental development and prototyping, validations, proofs of concept and use cases.



TRAINING

Basic and advanced training of company staff by means of seminars.



FINANCING AND ECOSYSTEM

Advice on subsidies or private funding to implement i4.0 technologies. Connecting the ecosystem.

IN WHICH TECHNOLOGICAL AREAS DO WE WORK



**Additive
manufacturing**



**Data
analysis**



**Sensor
systems**



**Vision
technologies**

TELL US WHAT YOU NEED

If you are seeking to implement technologies that allow you to develop new products and/or improve your company's production efficiency, **we would like to meet you!**

TECHNICAL OFFICE

Edificio AS5-HUB (Gijón - Asturias)



Parque Científico y Tecnológico de Gijón

C/ Profesor Potter 72 | 33394 | Oficinas 9 y 10
Gijón | Asturias | España (Spain)



+34 984 684 590 - Ext (2919)



asdih@sekuens.es



EDIH

European
Digital Innovation
Hubs Network