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

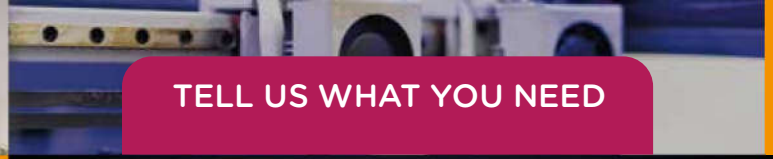
Basic and advanced training of company staff by means of seminars.

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
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asdih@sekuens.es

EDIH European Digital Innovation Hubs Network

Asturias Digital Innovation Hub
AsDIH

We promote the digital transformation of Asturian industry

www.asdih.es

Financiado por la Unión Europea NextGenerationEU

Plan de Recuperación, Transformación y Resiliencia

EOI Escuela de organización industrial

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
CETEMAS
Universidad de Oviedo
CLUSTERTIC Asturias
FADE FEDERACIÓN ASTURIANA DE EMPRESARIOS
M4 MetaIndustry4
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	SERVICE	RESULT
• Very low level of digitalisation in the company. • Lack of control of the suitability of raw materials, which affects production.	• Advice on the use of NIR (Near Infrared Spectroscopy) sensors. • Feasibility study for interoperability and data analytics. • Customised training in the use of technology.	• 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	SERVICE	RESULT
• Use of outdated materials. • Conventional production system, costly in terms of time and materials (generates a lot of waste).	• 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.	• Product customisation and automation of the manufacturing process. • New line of personalised products. • Substitution of materials for others with advanced functionalities.