

European Regional Development Fund "A way of doing Europe".

## SMART FLOW TRANSFER

In 2022, EDSCHA continues with its investment plans in Cantabria. Part of this investment is directed to the evolution activities in its industry 4.0 strategy, such as the following:

- Advice on Industry 4.0 technologies throughout the project, by consultant.
- Cybersecurity. Separation of IT from OT.
- Intelligent monitoring system of the pneumatic network and compressors.
- Quality-control system by Artificial Vision.
- Incorporation of a new transfer machine, digitalized and automated.
- Robots for the new hinge-manufacturing machine.

The results of the project have been:

- Improve the energy and operational efficiency of the pneumatic network and compressors of the entire industrial plant.
- Provide a high level of security to the company's computer system, achieving a complete separation between IT and OT. To be able to segment the network and isolate any element (switch) of the network in the event of a cyber-attack or intrusion, while the new configuration will make it possible to provide service to all industrial plant and the CPD.
- Manufacture a new model of hinges, on a new transfer machine, with a high degree of automation, including 4 ABB IRB robots, with a volume of 1.5 million units per year.
- Applying artificial vision to the identification of a quality problem on the MG3526-001 machine. It constitutes a Poka Yoke 4.0, which will control every manufactured part automatically, separating those that are NOK, improving their productivity and reliability.

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