

## **PROBLEM/ISSUE ADDRESSED**

Metal-sheet machine operators effect the performance of the system based on their reactiveness and frequency of errors. Given the wide range of products, however, vocational training is the only support provided from the organization in order to improve their performance. Even that however comes short in cases when an unseen event occurs (e.g., machine breakdown). Thus, operators require a real-time support tool during operations, training, and maintenance/ troubleshooting in order to achieve the production requirements.

## **SOLUTION**

ARTOM consortium developed an AR-based application, focusing on supporting operators during multiple metal-sheet machinery lifecycles namely, operation, training, maintenance. The application is able to guide the operators during their shift, train them using digital content and provide remote assistance when is needed.

## **WHY IT IS IMPORTANT FOR SOCIETY**

Operators with less experience will be able to handle a larger variety of production operations while also support the skills and competences development process. At the same time, the production cost will decrease thanks to avoiding latency and human errors.

“ Thanks to EIT we were able to build and evolve this innovative idea into a product for the market ”



## **MAIN RESULTS & INSIGHTS**



Increase process quality 30%



Increase operator performance 10%



Decrease of repair time from 2-5 days to a few hours



Eliminate safety risks



**Gaetano Patrimia**

Innovation & IP Manager at Prima Industrie S.p.A

**MAIN PRODUCT**

ARTOM Project

**AIM:** Improve industrial personnel performance working with metal sheet processing machinery