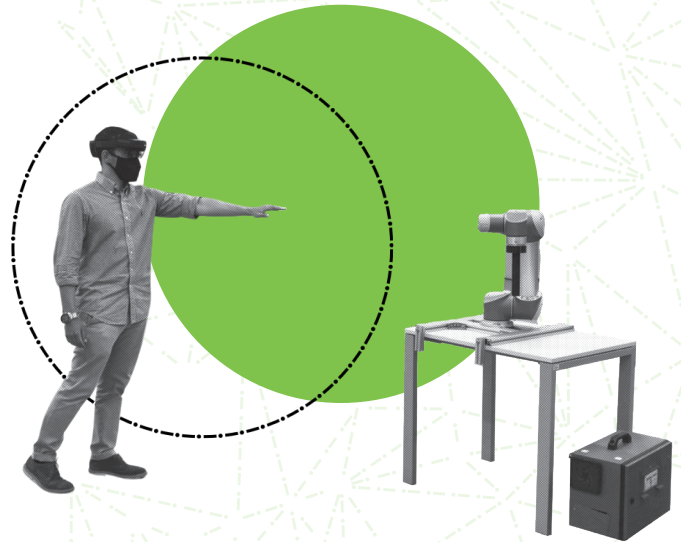


NAME

AR-based human-robot interaction



CHALLENGE

While factories increasingly employ smarter and connected technologies, human workers still have a dominant role in the production process. Combinations of humans and machines have the potential to outperform either working alone since their capabilities complement each other. The realization of such flexible and adaptable hybrid production systems, though, introduces a high level of complexity. Therefore, efficiently delivering information and enhancing human-machine interaction is essential.

SOLUTION

Augmented Reality based human-robot interface system capable of monitoring the robots' safety zones, presenting information about the production process overlaid on the factory floor, and programming robots by hand guiding their digital twins.

APPLICATION

Assembly lines; Production lines; Collaborative manufacturing.

TECHNOLOGIES



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