LOVICOSPEC

eit Manufacturing

EIT Manufacturing is supported by the EIT, a body of the European Union

PROJECT START

- 774k€ + EIT Funding

- Classification Model Building September /2020

- AR Superimposition September/2020

- Optical Inspection Prototype setup October/2020

- Final Demonstration December/2020

CHALLENGE

- Quality of painting process of white good affected by presence of contaminants on steel surface
- Contaminants not visible not detectable using traditional vision system

SOLUTION

- Hyperspectral camera to detect organic remnants on steel surface
- AI to process images and extract valuable information
- AR to superimpose elaborated images on real part

BENEFITS

- Identification of contaminated parts before painting
- Engineers can see where contaminants are – enabling manual cleaning and improving process knowledge

MAIN PROJECT RESULTS

> 10 CONTAMINANTS DETECTED

50k€ POTENTIAL SAVINGS PER YEAR PER PRODUCTION SITE

3 CUTTING EDGE TECHNOLOGIES JOINED INTO AN UNPRECEDENTED APPLICATION

" thanks to EIT we were able to bring in factory a very innovative solution combining at best three disruptive technologies "

PIERLUIGI PETRALI
Manufacturing R&D Manager at Whirlpool EMEA
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