

# **SMART IoT Ecosystem for Ceramics 4.0**

- António Pereira -





## STC 4.0 HP - New Generation of Stoneware Tableware in Ceramic 4.0 by High Pressure Casting Robot work cell

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### Robotics

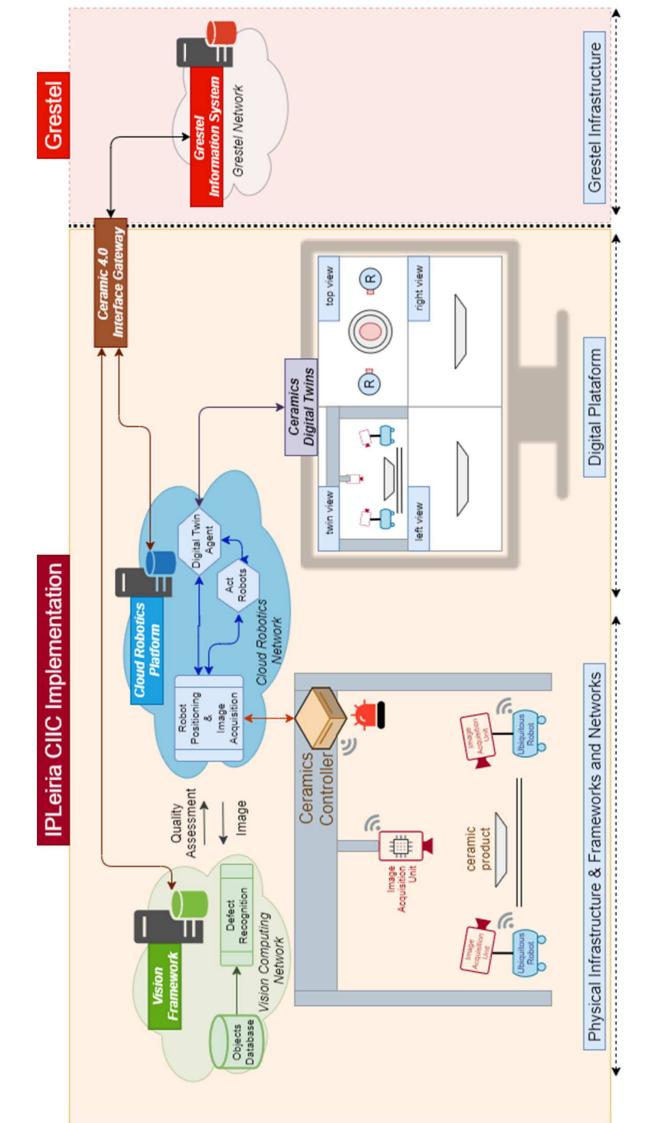
**Cloud Computing** 

**Digital Twins** 

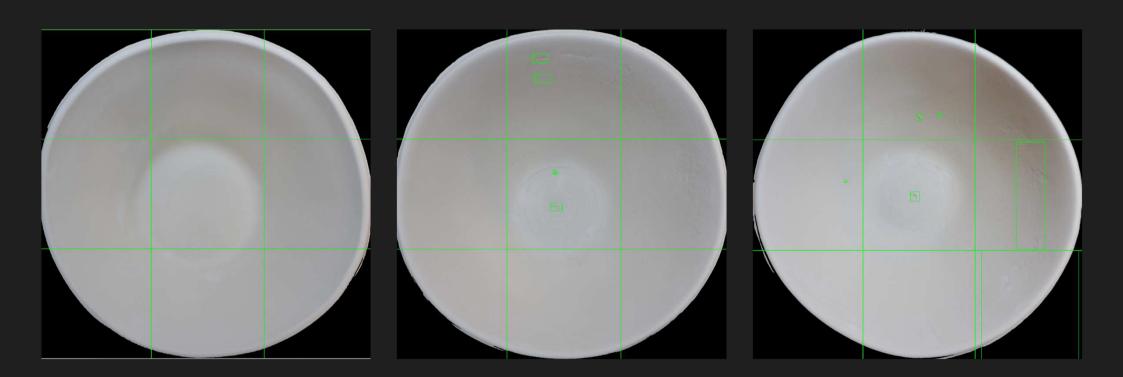
Ubiquitous Computing

Artificial Intelligence

**Computer Vision** 



#### **Preliminary Results**



### No Defect Multiple Defects Multiple Defects

# CONTRIBUTIONS

Digitalization of Ceramic 4.0 Industry sector	Smart IoT Ecosystem for Ceramics	Ubiquitous robotics concept applied in tableware	Digital twins concept applied to ceramic 4.0 industry	Developing of an integrated management quality control model for stoneware tableware production

Ceramics Industry, with a strong component of versatility, productivity, quality, environmentally friendly, contributing to an efficient workplace

#### **IPLEIRIA CIIC TEAM**













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