Project: *Augmented Humanity* - SI I&DT Empresarial (Programas Mobilizadores)
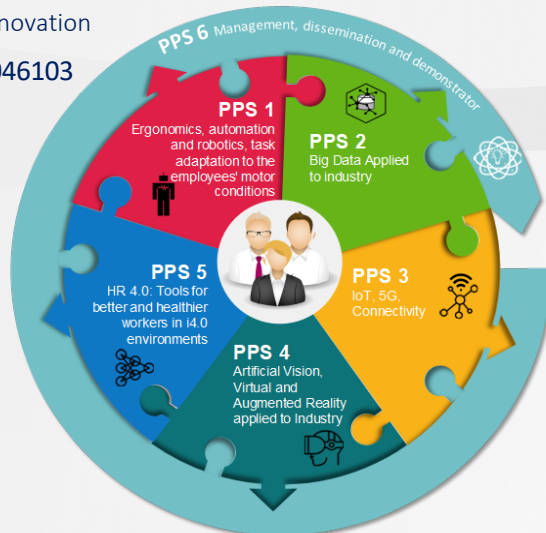
Acronym: *Augmanity*

Main Objective: Reinforce research, technological development and innovation

Reference: POCI-01-0247-FEDER-046103 | LISBOA-01-0247-FEDER-046103

Synthesis: The project *Augmanity* intends to address main challenges to the industry in an age of unprecedented uncertainty, by:

▶ Developing relevant technologies that make industry workplaces more attractive in future (eg: by providing intelligent and interactive wearables for the workforce);

▶ Optimizing work tasks definition in such way that minimizes or eliminates health problems from intensive hard work, by improved ergonomic (eg: by developing external aid systems like exoskeletons adapted to the relevant activities);

▶ Reducing monotonous activities or eliminating associate frustration associated with '*wasteactivities*' (eg: by camera monitoring/anticipation of logistic deliveries traffic congestion, we can optimize the routes assuring the logistic operator has an optimized route, or that this can be done automatically);

▶ Developing appropriate technology that allows existing workforce to be prepared for the new digitalization paradigm (eg: Augmented & Mixed Reality will improve the way our plant service technicians operate/troubleshoot);

▶ Using smart tools to measure or even promote tailored associate engagement (eg: HR platforms that use different datasources combined to measure such indicators);

▶ Taking best advantage of the integration of the cyber physical systems and ultra-connectivity within the industrial value chain (eg: by using 5G technology for connecting from sensor networks to machines in assembly lines);

▶ All this should be developed having in mind the energy efficiency that allows to have smart/green factories in the future.

Funding: PORTUGAL 2020

Eligible Costs: 8 184 504,14 €

Funding (FEDER - COMPETE 2020): 4 823 523,11 €

Funding (FEDER - LISBOA 2020): 375 856,02 €

Start Date: 01-07-2020 | **End Date:** 30-06-2023

Project Leader: Bosch Termotecnologia S.A.

Partners:

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