

The project proposes to streamline the moulds and plastics sectors alike to a 4.0 industry logic, that is, designing and developing more flexible, digital and aggregating tooling solutions of different technologies in order to integrate various manufacturing processes into a single tool and workstation. To create 4th generation moulds and tools there are several relevant aspects that materialize in project objectives, from scanning and virtualization of components in the process of manufacture of the production chain's interconnection of the stages, the incorporation of intelligence in the moulds and tools themselves, so as to equip them with monitoring and control capabilities of the manufacturing process where they are used. It is also intended to develop tooling solutions that incorporate new additive technologies, surface treatments and functional coatings with technologies conventionally used in those sectors, and to study, develop and demonstrate tooling solutions for one-step manufacturing.

CONSORTIUM

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