

# GESTAMP INNOVATION

## Flexirapidman Project

**FLEXRAPIDMAN** is an R&D project funded by the public entity *Centre for the Development of Industrial Technology (CDTI)* and has as its main objective the assessment and research in 3D printing technology for die casting moulds and hot forming tools applications. Therefore, the aim of the project is not only improving the tool performance and efficiency but also reducing the costs by optimizing and simplifying the design concepts.

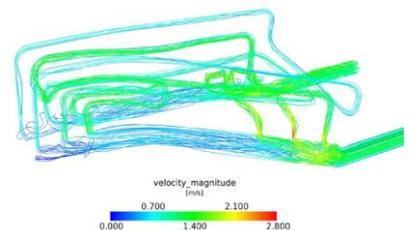
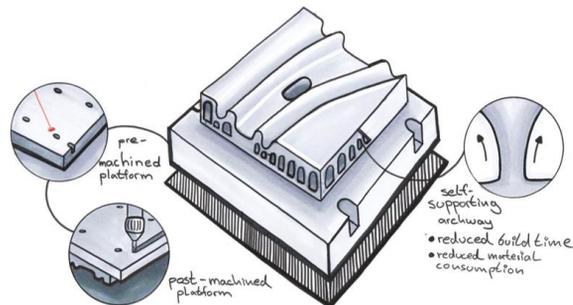
Project duration: **3 years**

Starting project date: **July 1st, 2017**



## TECHNICAL GOALS & PROJECT SCOPE

- Design complexity reduction
- Lightweight design
- Tool performance improvement
  - *Cooling capacity*
  - *Wear resistance*
- AM technology Assessment by using a real Hot Forming tool
  - *FEA and CFD simulations*
  - *Validation in serial production conditions*



WORKING FOR A SAFER AND LIGHTER CAR

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