

## Base3D

**Timeline** | 01/2021 to 12/2022  
**Overall Budget** | 3,774,442.42 €  
**ICIQ's Budget** | 144,095.00 €

**ICIQ People** | [CSOL Catalytic Solutions](#)

**Call** | Programa Operatiu FEDER Catalunya

### SUMMARY

The ultimate goal of **Base3D** is to accompany additive manufacturing technologies throughout a process of technological maturation and to press as much as possible to achieve their tangible implantation in the Catalan industry, operating rooms, companies and classrooms.

To achieve this goal, the different subprojects that are part of **Base3D** will be developed: **P1 Light3D**: Laser and other light technologies, **P2 Fus3D**: Technologies for deposition of semi-molten material, **P3 Ink3D**: Technologies for the deposition of continuous inks and **P4 Hybri3D**: Technologies for multimaterial hybridization. These four subprojects will form the basis of the future 3D industry in Catalonia from the development of technology through the value chain of 3D printing. This basis will be generated through research and development in materials, simulation, design and development of prototypes, and testing and evaluation in laboratory and industrial environments.

### SUBPROJECTS AND PARTICIPANTS

**CIM UPC**  
 UNIVERSITAT POLITÈCNICA DE CATALUNYA DE CATALUNYA BARCELONATECH  
**Project coordinator**

**P1 Light3D**  
 Laser and other light technologies

**P2 Fus3D**  
 Technologies for deposition of semi-molten material

**P3 Ink3D**  
 Technologies for the deposition of continuous inks

**P4 Hybri3D**  
 Technologies for multimaterial hybridization

**SJD**  
 Sant Joan de Déu  
 Barcelona - Hospital

**SJD**  
 Sant Joan de Déu  
 Fundació de Recerca

**UAB**  
 Universitat Autònoma de Barcelona

**IBEC**  
 Institute for Bioengineering of Catalonia

**CIMNE**  
 International Centre for Numerical Methods in Engineering

**IQS**  
 PERSONA CIÈNCIA EMPRESA  
 UNIVERSITAT RAMON LLULL

**gemat**  
 GRUP ENGINYERIA MATERIALS

**GREP**  
 Grup d'Enginyeria Producte, Procés i Producció