

ADDITIVE FOR SUSTAINABLE SOLUTIONS

ADDITIVE MANUFACTURING TECHNOLOGIES



Find out more at www.3dhubs.com/what-is-3d-printing

WHO WE ARE

Additive Manufacturing years of experience in your hand

Impossible is nothing

OPTIMUS 3D is born with the aim of providing integral solutions from the first draft idea up to a final and functional manufactured product.

Our services

Thanks to 3D Modeling, Finite Element Analysis and Topological optimization, Optimus 3D engineers will not only make your idea come true but also will work with you hand by hand to find the optimized and best solution possible. Final design will integrate all product demands starting from the specific additive geometry up to material science which will provide mechanical, temperature, and chemical agent exposure resistance.

UNE-EN 9100 and ISO 13485 Certification

Optimus 3D counts with EN 9100 and ISO 13485, approval certified by AENOR, most prestigious organization as far as quality standards is concerned.



HOW DO WE DO?

We improve your product's quality and we reduce the manufacturing costs thanks to the additive manufacturing technology.

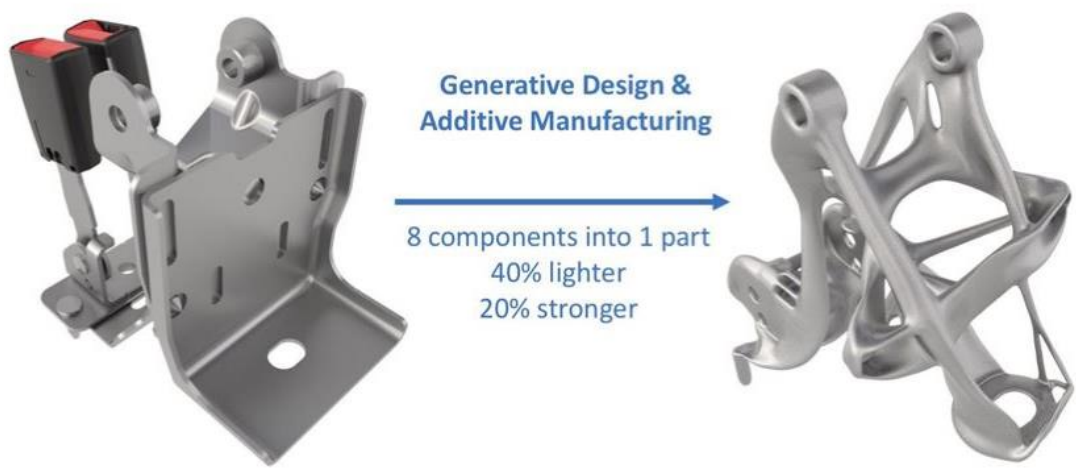
AM provides a quick and comfortable system which allows you to improve the processes.

OUR SERVICES:

- ✓ FINAL PARTS
- ✓ ENGINEERING WORKS
- ✓ PROTOTYPING
- ✓ TOOLING
- ✓ SHORT SERIES AND SPARE PARTS
- ✓ RESEARCH AND DEVELOPEMENT (Innovation)

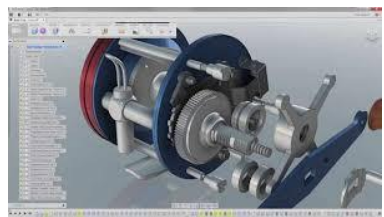


3D engineering. DfAM designed for Additive manufacturing SERVICES

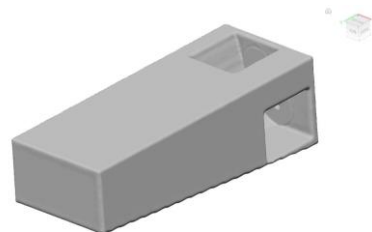


Designed to be manufactured

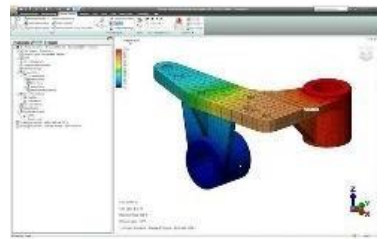
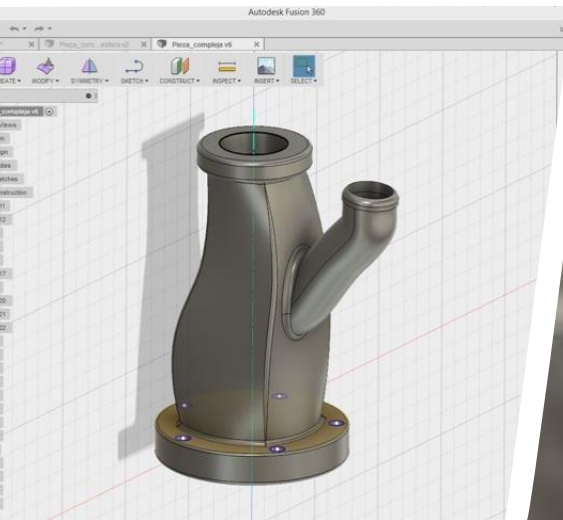
Designed to be functional



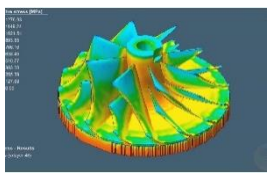
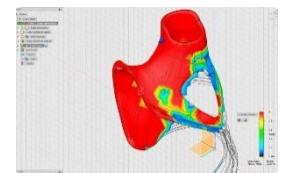
Autodesk Fusion360



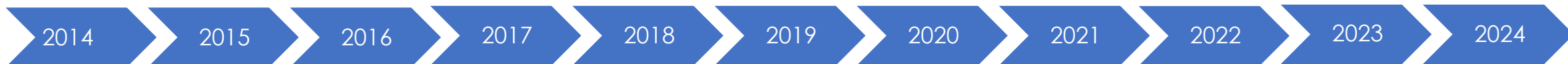
Topological redesign software



Simulation software.
Fusion360 and ANSYS

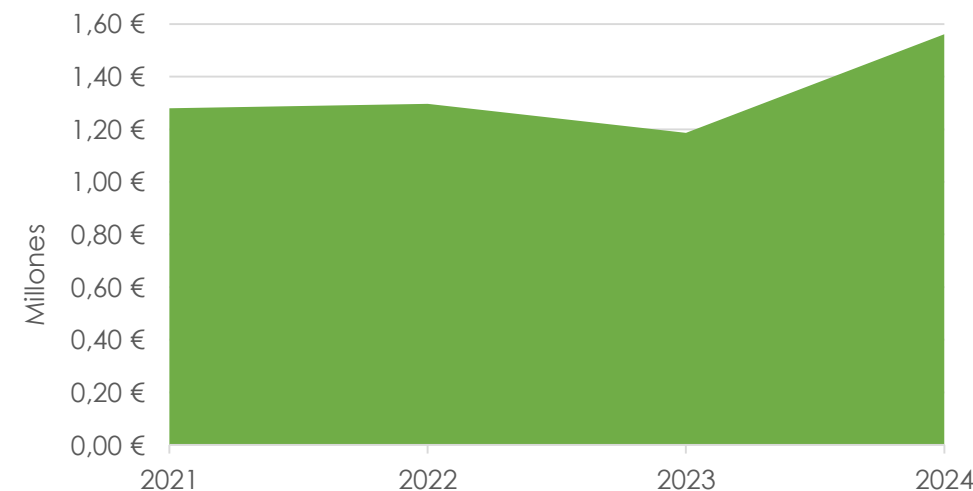


EVOLUTION



2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
										
Foundation of the company	Engineering and polymers 3d printing	Reverse engineering and scanning capacities		  <p>ISO9001</p> <p>First MJF equipment in Spain</p>  	New facilities, 400m2 P. T. de Miñano		 <p>EN9100</p> <p>Aerospace</p> 	 <p>ISO13485</p> <p>Medical device licence for customized implants Ti6Al4V Gr23</p>	 <p>agencia española de medicamentos y productos sanitarios</p>  <p>GOBIERNO DE ESPAÑA</p>  <p>MINISTERIO DE SANIDAD, SERVICIOS SOCIALES E IGUALDAD</p> <p>Own medical devices</p> 	
										

RENAM 500 S, metal 3d Printing. First Company in Europe with Titanium gr.23





PRODUCTION MEANS

TECHNOLOGY	MACHINE	MATERIALS	Max dim.(mm)
ENGINEERING	Additive Design/Re-design, Topological Analysis, FEM, Material guidance		
SLM	RENAM 500S -Renishaw-	Ti6Al4V	250x250x330
	SAMYLAB	Steel 1,404 (316) 1,709, 1,542 INCO718, Nitinol	160x160x160
WAAM	ADDILAN WAAM VO.1	Ti6Al4V, Steels, Inconel 718, Scalmalloy	1300X900X500
MJF	HP FUSION 5200 -Hewlett-Packard-	PA12, PA11, TPU	380x285x380
	HP FUSION 4200 -Hewlett-Packard-	PA12, PA11, TPU	380x285x380
FDM	FORTUS 450 -Stratasys-	ULTEM, ASA, PC, FLEX (TPU) Nylon12, Nylon Cf	406x355x406
VAT SLA	FORMLABS	Resin, Flexible, TPU	145x145x185
SCAN	ARTEC SPIDER		
POST PROC.	HEAT TREATMENT / BLASTING / DYE TINT / PAINTING		
CERTIFIC.	EN9001, EN9100, ISO13485		



BUSINESS LINES

Industrial

Solutions to more than 450 companies In more than 100 approved suppliers Polymers & metals, engineering & scanning



Health

Subcontractors titanium implants ,cutting guides and surgical models

Proprietary product for rhizarthrosis, with customised and scalable scanning solution



Rizumb3d

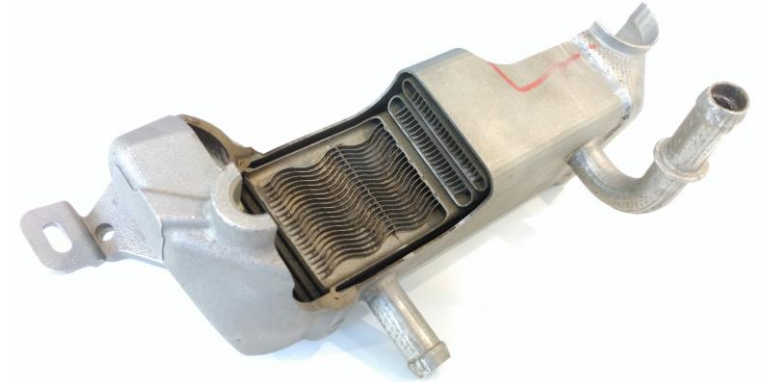
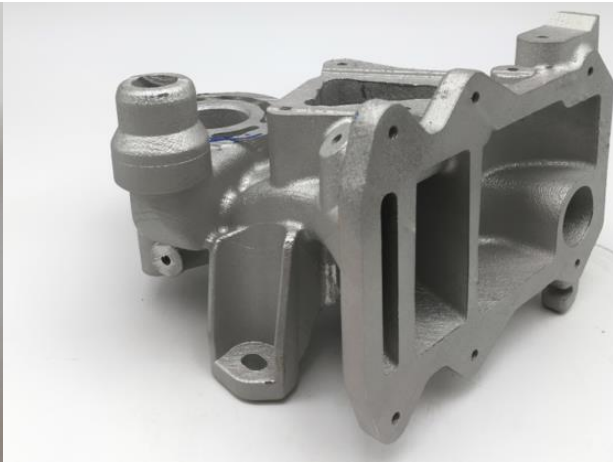


R+D+i

Through FI-Group Consulting we generate R&D deductions for third parties and finance our own developments.

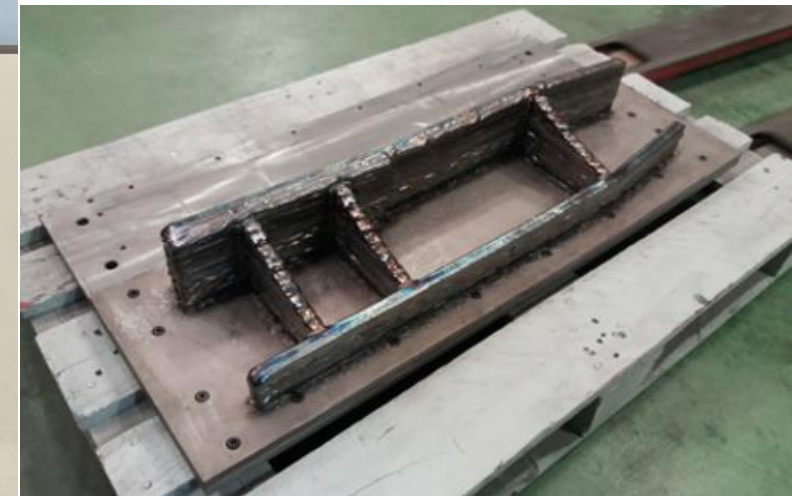
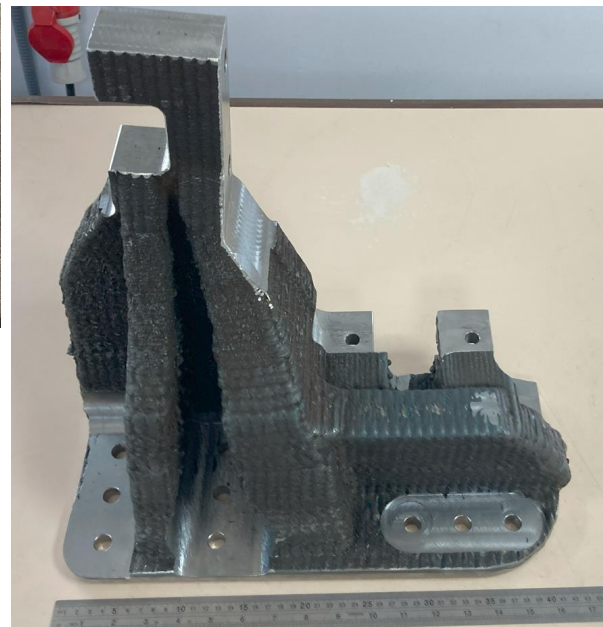


BUSINESS LINES - Industrial

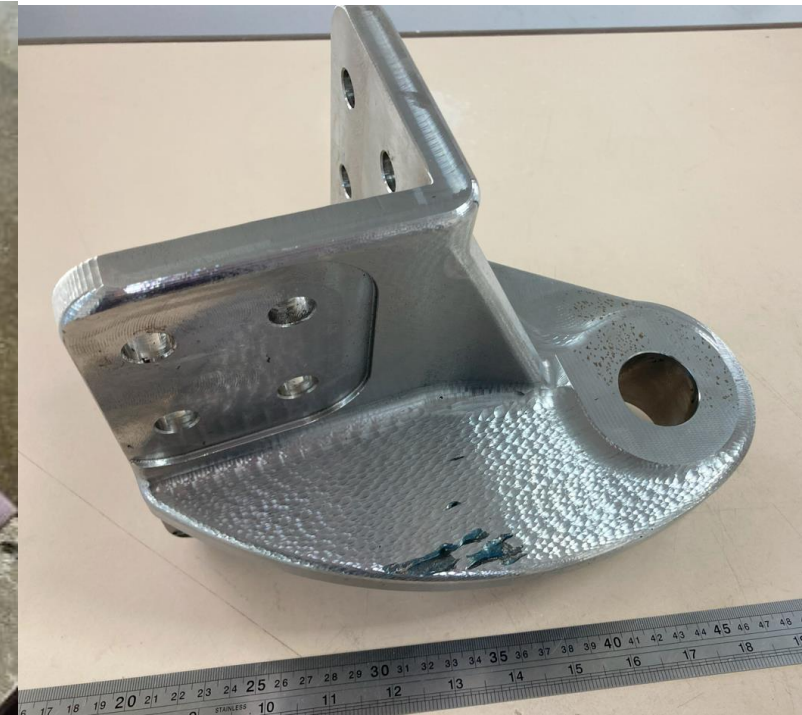
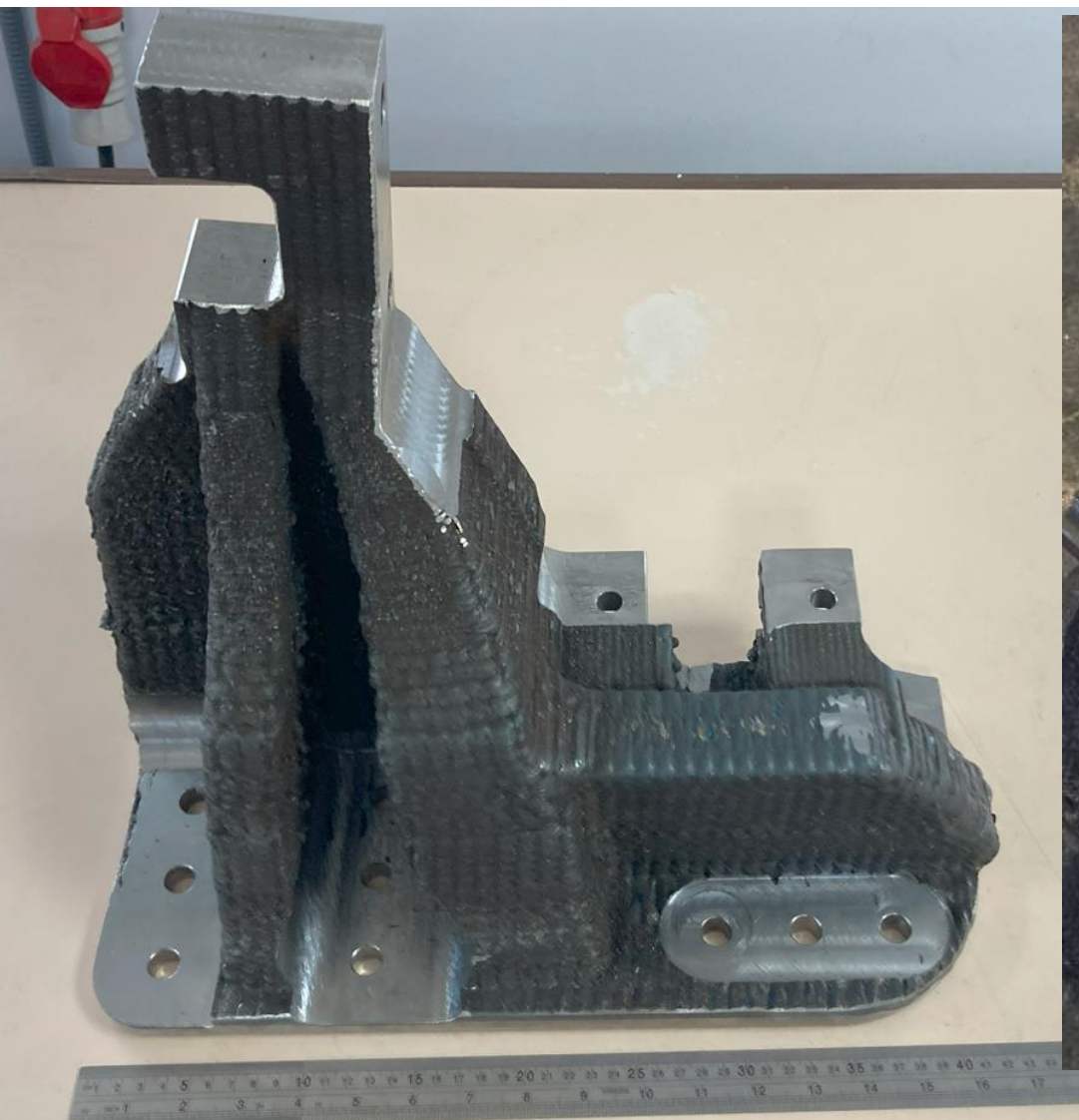


Spare parts, no stock or tooling cost

Short Series ,no mold cost



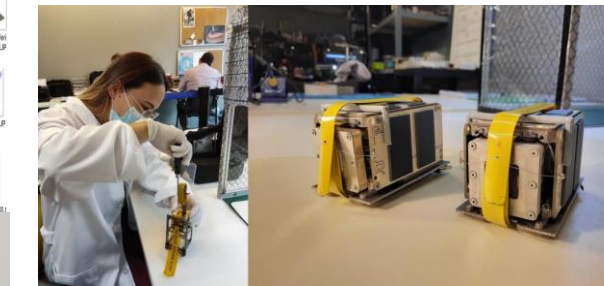
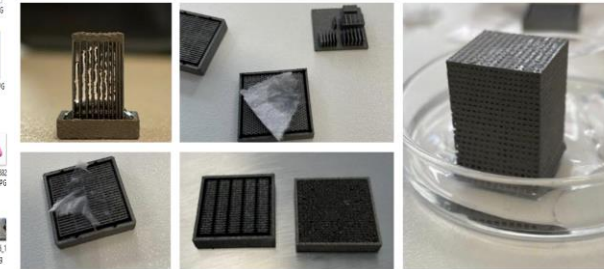
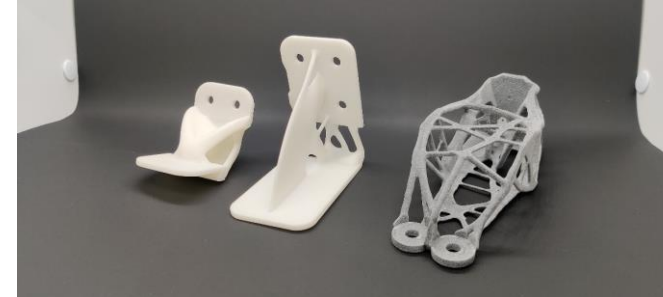
Confidential



BUSINESS LINES – Industrial



Confidencial



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