

# Interreg



EUROPEAN UNION

## 2 Seas Mers Zeeën

## 3DMed

European Regional Development Fund

**3DMed** – Development and streamlined integration of 3D printing technologies to enable advanced medical treatment and its widespread application

### Key information

- EU funding: € 4.10 Million
- Total budget: € 6.84 Million
- Duration: 36 months [October 2018 – September 2021]

### Aim:

3DMed aims to improve the affordability and large-scale accessibility of medical treatment using 3D printed devices. Top universities and innovative companies in the Netherlands, Belgium, France and the UK join forces in an unprecedented exercise to explore the full potential of the 3D printing technology for advanced medical care.

### Expected results:

- **Streamlined care by integrating diagnosis, design and manufacturing** of 3D printed medical devices with post-operative evaluation into a validated and widely accessible software platform. This will enable reduction of lead times from 6-8 weeks currently to 6-8 days by 2021 and to 24 hours by 2023.
- **Personalized medical devices** (prostheses, implants and orthoses) designed using the images acquired for individual patients. Using the integrated 3D printing technology to manufacture

these customised devices will lead to reductions in cost by as much as 90%. The costs for the medical treatments will thereby be decreased by as much as 30%.

- **Complex shapes and miniaturized geometries for implants and surgical instruments, as well as functionalised medical devices** to enhance treatment effectiveness and speed up post-treatment recovery.

### Lead partner:

- Technische Universiteit Delft



### Project Partners:

- Stichting Materials innovation institute
- Universiteit Gent
- Association pour la Recherche et le Développement des Méthodes et Processus Industriels
- EXO-L B.V.
- Dutch Ophthalmic Research Center (International) B.V.
- Meridian Technique Limited
- Amber Implants B.V.
- University of Oxford
- Oxford MESTAR Limited
- 3D LifePrints
- EURASANTÉ
- Université de Lille
- Strategisch Initiatief Materialen
- Oceanz B.V .
- Avroxa bvba
- Régnier Orthopédie



## Observer Partners:

- Reinier de Graaf Groep
- AZZENO/Cosmipolis Clinic
- University Medical Center Utrecht
- Department of Plastic Surgery, Oxford University Hospitals NHS Foundation Trust
- Leiden University Medical Center
- CADskills BVBA
- Nelson Labs Europe N.V .
- DEAM BV
- Dassault Systèmes
- Medtronic
- LATTICE MEDICAL
- In4care vzw
- Cousin Biotech
- Blue Sparrows MedTech Finance B.V.



More information about the project can be found [here](https://www.interreg2seas.eu/nl/3dmed) [ <https://www.interreg2seas.eu/nl/3dmed>]

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