

ABOUT THE PROJECT

Project acronym:	OVOMAX
Project full title:	Online Vocational training course on design, manufacture and validation of custom-made orthopaedic, oral and craniomaxillofacial devices.
Project Reference:	2015-1-PL01-KA202-016969
Duration:	01-09-2015 – 31-08-2018
Coordinator:	Instytut Techniki Górniczej KOMAG
Website:	www.ovomax.eu

MEMBERS OF THE CONSORTIUM

Instytut Techniki Górniczej
KOMAG



Instituto de Biomecánica
de Valencia IBV



INSTITUTO DE
BIOMECÁNICA
DE VALENCIA

Instituto Tecnológico
Metalmeccánico AIMME



Federación Española
de Empresas de Tecnología
Sanitaria FENIN



Ateknea Solutions
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NEWS

1. Presentation of OVOMAX project during learning seminar that was organized in KOMAG Institute of Mining Technology

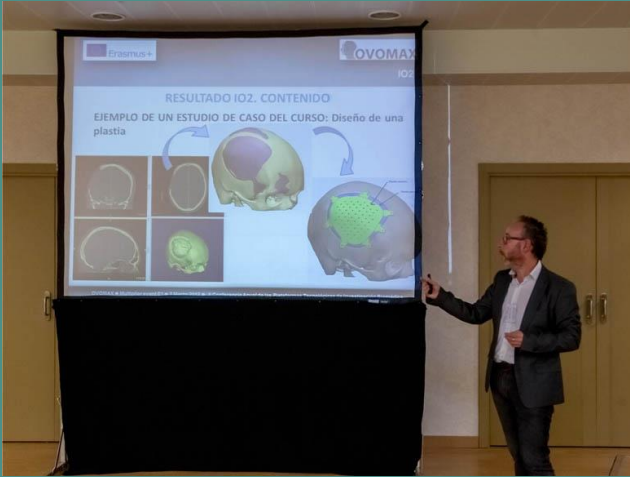


2. Presentation of OVOMAX project during International conference KOMTECH 2017



NEWS

3. MULTIPLIER EVENT 1.3 – Madrid workshop on additive manufacturing technologies was organized on 7.03.2017 at the Hotel Meliá Avenida América



POSTER

4. We have design a new poster to promote the OVOMAX project!

OVOMAX
Online vocational training course on design, manufacture and validation of custom-made orthopaedic and oral care medical devices.

Project objective

The main objective of the OVOMAX project is development of an online course for vocational training of designers of medical devices in the field of cranio and maxillofacial surgery. Knowledge gained will enable them development of professional career in design, manufacturing and validation of custom-made products.

At present, there is a need to manufacture medical devices which meet patient's individual needs. In many cases standard implants aren't suitable because of abnormal anatomy or post-operative complications. Their full customization enables a better structural, functional and biological biocompatibility with the patient. Implant life-time becomes longer and patients obtain improved aesthetics, performance and comfort, which contributes to improved quality of life. Surgical operations become quicker and less invasive as well.

Online course developed during the project will be available in four languages: English, Spanish, Polish and Hungarian, which will enable its wider use.

OVOMAX.eu

The OVOMAX course modules:

1. Introduction to customisation of medical devices.
2. Obtaining patient data based on medical imaging. Data formats.
3. Planning of surgical operation.
4. Geometric spatial model of a patient. Processing in a CAD software environment.
5. Design of custom-made medical devices.
6. Validation of custom-made medical devices in terms of strength and functional criteria.
7. Materials for medical devices.
8. Custom-made medical devices manufacturing process.
9. Quality assurance system for medical devices.
10. Standards and regulations applicable to custom-made medical devices. Requirements for the final product.

KOMAG
IBV INSTITUTO DE BIOMÉDICA DE VALENCIA
Instituto Tecnológico de Ingeniería de **TECNOLOGÍA SANITARIA**
AIDIMME TECHNOLOGY INSTITUTE
Ateke Solutions

Erasmus+
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The e-course is almost ready!

We would like you to test it.

Contact us!

MEET THE CONSORTIUM MEMBER

In this issue of the Newsletter we would like to introduce the next of the consortium members – AIDIMME.

AIDIMME, the Metalworking, Wood, Furniture and Packaging Technology Institute, is a private nonprofit organization that is helping companies in their sectors sector and related to improving its competitiveness through R+D, for more than 25years.

AIDIMME provides a specific solution tailored to each company, through its various technical units, laboratories and training areas.

Over 800 member companies, cutting-edge equipment and instrumentation and professionals with extensive experience in research and development are the pillars of the institute and the key to its success.

MEET THE CONSORTIUM MEMBER

The following team takes active participation in the OVOMAX project:

OLGA JORDÁ



Olga Jordá is B.Sc in Industrial Engineering. She joined AIMME in 2002 and has been working with AM technologies for the last 10 years, in particular in research projects related with the design of 3D structures for AM and applications on the medical sector.

MANUEL SÁNCHEZ



Manuel Sánchez: B.Sc in industrial Engineering. In AIMME since 1990. Head of R&D. His background is electric engineering, but has worked in mechanical and CAx engineering since the early 90s. Has participated in more than 60 Research and Innovation projects, and managed roughly 40 in diverse fields such as AM, materials and clean technologies.

JOSÉ RAMÓN BLASCO



José Ramón Blasco has a B.Sc. in Industrial Engineering. He joined AIMME in 2000 and has been working with AM technologies for the last 14 years, being the Coordinator of Projects & Services area of Product Engineering Dept for the last 5 years. Now is the responsible of the Advanced Manufacturing Processes area. He is certified with Level 3 of Electron Beam Melting technology since 2011.

ALBERTO MOLINERO



Alberto Molinero has a Degree on mechanical technology. In AIMME since 2007. He is the responsible of metal AM processes (EBM and SLM) operation and an expert on design for AM.