ADDITIVE MANUFACTURING IS THE PRODUCTION OF 3D OBJECTS FROM A DIGITAL BLUE PRINT. A PRINTER ADDS LAYERS OF MATERIAL UNTIL A SOLID 3D OBJECT IS FORMED.

3D printing technology unlocks unprecedented possibilities to customise a device to the specifications and needs of patients and clinical team.

Its digital versatility and quick prototyping make it a great tool for emergency response. This was proven during the COVID-19 pandemic.

Allows the use of fewer resources, raw materials and energy.

It has the ability to improve medical care by reducing healthcare costs and time patients spend under direct care.

AIMPLAS
INSTITUTO TECNOLÓGICO DEL PLÁSTICO

JOBS @SKILLS

itemas isciii

Health Innovation Hub Ireland

hope
European Hospital and Healthcare Federation

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Advanced Manufacturing Research Centre

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ALADDIN Erasmus+ Project

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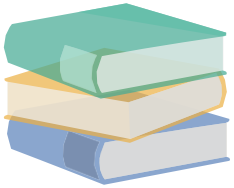
ALADDIN

TRAINING

Pursuing the integration of additive manufacturing in the health sector.

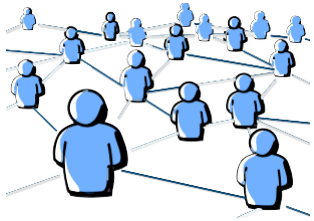
ALADDIN is funded by Erasmus+, an EU programme offering exciting opportunities for European nationals to study, work, volunteer, teach and train abroad in Europe.

Why is 3D printing not fully integrated in hospitals and the health care sector?



Lack of knowledge and skills on the technology

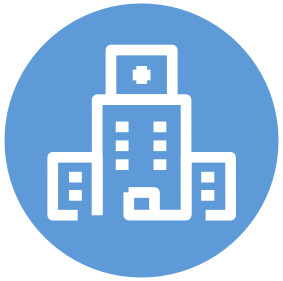
A complex value chain



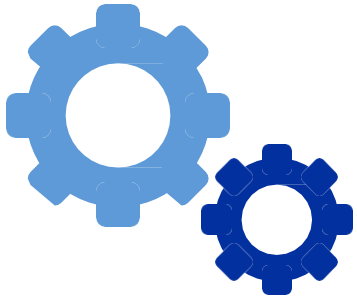
Absence of cooperation

Erasmus+

A training programme for:



Health professionals working in hospitals; Doctors, surgeons, medical physicists, biomedical engineers etc.



Engineering students with a future in the health sector.

ALADDIN WILL DEVELOP A TRAINING PROGRAMME ON ADDITIVE MANUFACTURING WITH:

- Customised training contents
- Teaching guide
- e-Learning platform

It will ensure both health professionals and engineers work as a team from the start to the end of the treatment process or patient journey.

Co-funded by the Erasmus+ Programme of the European Union