Advanced Materials *for* Additive Manufacturing (AMAM) Consortium

The **1st Advanced Materials for Additive Manufacturing (AMAM-1)** consortium has been launched on 21st November 2018 in Barcelona by the **Centre for Business Innovation Ltd** (www.cfbi.com) in order to provide the consortium members a unique insight into **use of advanced materials in additive manufacturing, development of additive manufacturing technologies for various applications**, and to facilitate the commercial uptake and bring together potential users with a shared interest to address commercialisation challenges. The consortium leader **Dr Bojan Boskovic,** from **Cambridge Nanomaterials Technology Ltd** (www.cnt-ltd.co.uk), is an expert in advanced materials commercialisation including nanomaterials such as carbon nanotubes and graphene. He is also a leader of **Nano-Carbon Enhanced Materials (NCEM)** consortium related to commercialisation of **nano-carbon materials such as graphene and carbon nanotubes**, that after five successful consortium series (NCEM-1, NCEM-2, NCEM-3, NCEM-4 and NCEM-5, with total of 25 meetings in Europe and USA is now in the 6th year (NCEM-6).

The AMAM consortium provides an opportunity to engage with leading companies in the supply chain and also with leading world class experts in a commercialisation pathfinder programme for a small fraction of time and total costs of alternatives such as consultancy, meetings, workshops and conferences. It could be used to develop additive manufacturing commercialisation strategy and supply chain through an active technology watch programme with a unique insight into state-of-the art of use of advanced materials in additive manufacturing and key player strategies and also to secure IP and develop additive manufacturing technologies through participations in collaborative R&D programmes and direct commercialisation partnerships with the NCEM members and presenting organisations.

AMAM-1.1 PARTICIPANTS

AIRBUS DEFENCE & SPACE
Prysmian Group
LINKING THE FUTURE
ArcelorMittal
CAMBRIDGE NANOMATERIALS TECHNOLOGY LTD
BRAINPORT EINDHOVEN
EMPA Materials Science & Technology
UNIVERSITAT POLITÈCNICA DE VALÈNCIA
50 anys
LEITAT Technological Center
csem
Vall d'Hebron Institut de Recerca VHIR
aimen TECHNOLOGY CENTRE
avanzare

The AMAM consortium is controlled by its members who are suggesting the topics of interest and additional members. This is an interactive process, with members explicitly discussing the scope, focus and location of future meetings at the conclusion of each meeting.

The AMAM consortium will be meeting together 5 times per year, usually at one of its members' sites or hosted at a leading research institution. World class experts are invited to join and participate at the specific meetings related to their field of expertise.

AMAM-1.1 Consortium Meeting Participants

On the 21st November 2018, the first meeting of the **Advanced Materials *for* Additive Manufacturing Consortium** (**AMAM-1**) was hosted at LEITAT facilities in Barcelona in the space of the IAM 3D HUB. It was a joint event with the **Nano-Carbon Enhanced Materials Consortium** (**NCEM-6**) that has been running for 6 years. One of the aims of AMAM is to leverage the potential of advanced materials such as graphene and carbon nanotubes in real multifunctional products gathering pioneers in the field of advanced nanomaterials and additive manufacturing. During this meeting, participants exchanged experience and views on current and future actions regarding the use of advanced materials in additive manufacturing, development of additive manufacturing technologies for various applications. The AMAM-1.1 meeting participants were given an exclusive tour of impressive 3D printing facilities of the IAM 3D HUB and unique insight into future developments plans and collaboration opportunities.

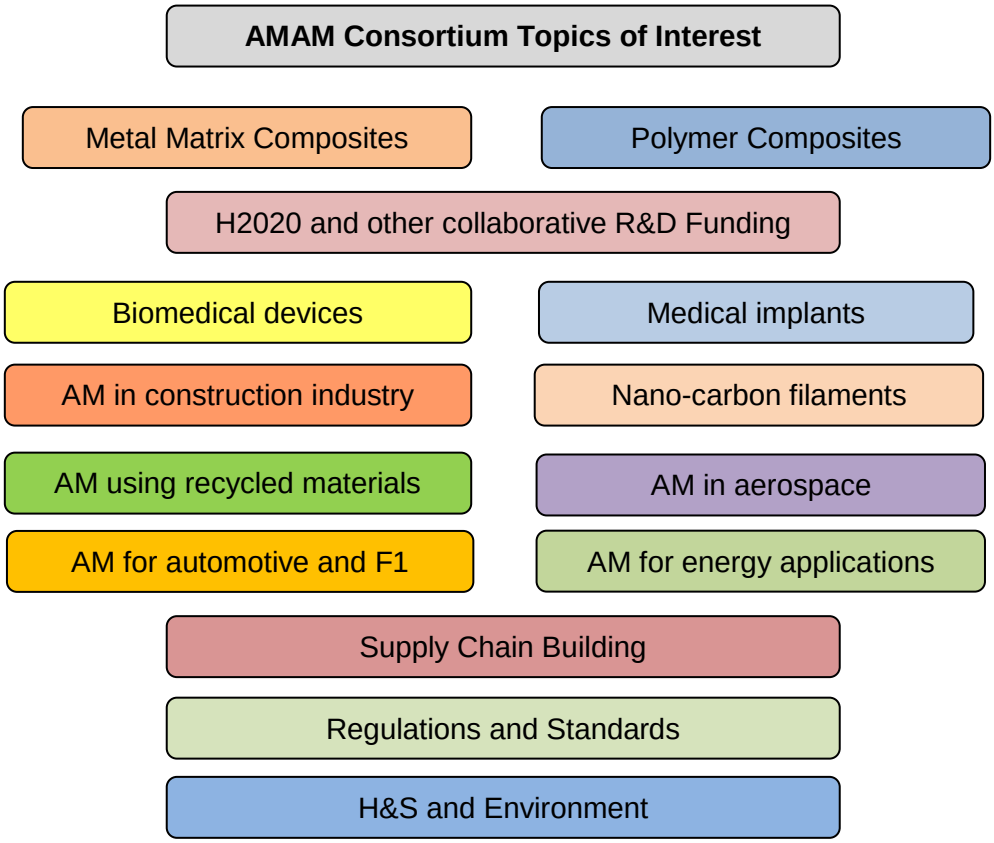
AMAM-1.1 – Visit to the IAM 3D Hub

AMAM-1.1 Presentation from LEITAT

The AMAM consortium meetings attracted some of the leading academic, industrial and government speakers working in the field of advanced materials:

- **Dr Julio Gomez,** CEO, Avanzare, Spain
- **Dr Vojislav Petrovic Filipovic,** Research Strategy Manager, AIMEN. Spain
- **Dr Michel Despont,** VP, Program Manager MEMS, CSEM S.A., Switzerland
- **Dr Marc Leparoux,** EMPA, Swiss Federal Laboratories for Materials Science and Technology, Switzerland.
- **Dr Pere Badallo,** Engineering Mechanics, IAM 3D Hub, LEITAT, Spain
- **Ms Aintzane Arbide,** General Secretary, IAM 3D HUB**,** LEITAT, Spain

The themes and topics of interest to the AMAM consortium are the result of discussions with the members. However, this would remain an open area for constant feedback from the members.



The **AMAM consortium leader** is **Dr Bojan Boskovic** who is the Founder, Managing Director and Principal Consultant of the Cambridge Nanomaterials Technology Ltd. He has more than 20 years of hands-on experience with advanced nanomaterials and composites from industry and academia in the UK and Europe. Previously, he worked as a R&D Manager at Nanocyl, one of leading carbon nanotube manufacturing companies in Europe. He also worked on carbon nanotube synthesis and applications as a Principal Engineer-Carbon Scientist at Meggitt Aircraft Braking Systems, as a Research Associate at the University of Cambridge, and as a Senior Specialist at Morgan Advanced Materials. During his PhD studies at the University of Surrey he invented low temperature synthesis method for production of carbon nanomaterials that has been used as a foundation patent for the start-up company Surrey Nanosystems. He was a member of the Steering and Review Group for the Mini-IGT in Nanotechnology that advised the UK Government on the first nanotechnology strategy policy document. Dr Boskovic was working as an advisor for the European Commission (EC) on Engineering and Upscaling Clustering and on setting up of the European Pilot Production Network (EPPN) and European Materials Charaterisation Cluster (EMCC). He has extensive experience in management of exploitation and dissemination of results of a number of European Commission funded FP7 and H2020 projects, including UltraWire, NanoLeap, OYSTER, M3DLoC, Genesis and nTRACK. Also in UK Government InnovateUK funded projects, such as UltraMAT and GRAPHOSITE He is also a leader of another CfBI consortium Nano-Carbon Enhanced Materials (NCEM).

For further *details about membership package for large corporations, SMEs and research institutions and information how to join* the consortium please contact Dr Bojan Boskovic, leader of the AMAM consortium: Bojan.Boskovic@cfbi.com