

## **Metallic Additive Manufacturing at the Italian Aerospace Research Centre**

CIRA, the Italian Aerospace Research Centre, is a company mainly of public ownership created in 1984 for the purpose of performing research in the fields of space and aeronautics. CIRA has the task of implementing the PRORA (National Aerospace Research Programme), a government measure based on the requirements expressed by the world of Industry and Research. In 2015, an Additive Layer Manufacturing Lab was inaugurated with an Electron Beam Melting (EBM) system ARCAM A2X. In this presentation, the research activities performed at CIRA on the development of the EBM technology for aerospace application will be presented. Also, the technological challenges to be overcome for the future, according to CIRA vision, are highlighted.