

Subject:

Proposal for participation in additive manufacturing (L-PBF) equipment Evaluation Initiative, with focus on application in the energy sector

The European Turbine Network is a non-profit membership association, which brings together the entire value chain of turbomachinery technology worldwide. ETN believes a common strategy and research effort between all stakeholders will enable growth and increased competitiveness of the gas turbine sector in Europe and globally.

Members of ETN have initiated in 2018 an ETN Additive Manufacturing Working Group with the purpose to strengthen the cooperation between stakeholders of the turbomachinery value chain on additive manufacturing topics, which would ultimately allow faster and wider deployment of the technology in the gas turbine sector. This Working Group is composed of experts from across the whole gas turbine value chain: power generation and oil & gas companies, OEMs, R&D institutes, suppliers, service providers and technology consultancies.

Members of the ETN Additive Manufacturing Working Group invite your organisation to participate in a Laser-Powder Bed Fusion equipment evaluation. This evaluation initiative will be oriented towards the need of the energy sector and focus on the productivity of the equipment, the quality of the manufactured parts, and the total cost of the process. Participation in this initiative will provide you with opportunities for visibility as well as direct collaboration with leading actors active globally. At the end, results associated to your contribution will be made available to you, together with an anonymised version of the conclusions.

To validate your participation to this ETN L-PBF equipment evaluation initiative, you will be requested to manufacture one defined geometry in a defined material, following the specifications in Annex I provided by the ETN Additive Manufacturing Working Group. The manufactured part will then be tested by neutral organisations, following assessment criteria that are communicated in Annex II. Gathering, consolidation and reporting of the results will also be done by neutral (3rd party) organisation.

Organisations involved in the ETN Additive Manufacturing WG:

