

ESA Additive Manufacturing Benchmarking Centre - An update on progress

David Brackett¹

¹*The Manufacturing Technology Centre (MTC)*

This presentation focusses on the work carried out by the European Space Agency (ESA) Additive Manufacturing Benchmarking Centre that was set up in 2017 at the Manufacturing Technology Centre (MTC) in Coventry, UK. This activity enables development and evaluation of a variety of topics relevant to the application of additive manufacturing in the space sector. This presentation will have a particular focus on the most recent projects, which include validation of a software tool for probabilistic fatigue assessment of AM parts, evaluation of AM post-processing techniques, application of cold-spray AM, and benchmarking of high strength aluminium alloys.