

Lot 001 – Additive Manufacturing: 3D Printing

Lot Description Document

Focus on projects that aim to stimulate and broaden innovation in manufacturing and materials. Projects may focus on technical feasibility, industrial research or experimental development and could include:

- developing more flexible and efficient processes
- developing processes that enable faster and greater customisation of products to satisfy consumer demands
- developing materials for ease of manufacture
- addressing the manufacturing readiness of growing sectors
- developing materials for targeted performance specifications
- diversifying product and service lines to address new markets
- developing novel services and/or business models, that open up new sources of revenue from manufacturing

As guidance this **Additive Manufacturing / 3D Printing** Lot includes projects funded that comprise of the exploitation of AM/3DP (includes pre and post processing) to achieve improved properties and/or cost savings to enable direct manufacture of complex or novel parts.

A prospective Monitoring Services provider must demonstrate their capability and relevant experience to provide monitoring assurance of projects addressing any of the scope described above in this lot, which is unique, within this DPS, to the Additive Manufacturing / 3D Printing Lot.

Monitoring Officers will be key personnel that will be required to interact with senior stakeholders and provide value add to the project through their presence and engagement. Demonstration of strategic thinking with self-motivation to adapt and succeed whatever the challenge and with a focus on working with people to secure organisational results.

Monitoring officers for this Lot must have:

- Knowledge of industry bodies specific to this Lot, its manufacturers, its value streams, technological evolutions and supply chains
- Full understanding of the key stakeholders and their inter-relationships.
- Intimate knowledge of start-up culture, business models and SME finances/cash flow is required
- A minimum of 36 months experience in Additive Manufacturing / 3D Printing or related subjects relevant to this area. This experience must include both management / decision-making and direct involvement in innovation

Project management experience is essential and must be demonstrated during application to the DPS, however formal project management qualifications (e.g. PRINCE) are NOT required.

Applicants must confirm and demonstrate current (within the last 36 months) experience gained in the public or private sector, which is relevant to the monitoring of projects in this Additive Manufacturing / 3D Printing Lot.

Applicants must confirm which sub-categories they specialise in:

- Additive Manufacturing – please detail
- 3D Printing (includes pre and post processing)
- Other relevant – please list