Ecosystem, Technology Trends, and Supply Chain Analysis – Additive Manufacturing

Case Study



Case study: Ecosystem, Technology Trends, and Supply Chain Analysis – Additive Manufacturing

Client	Leading material supplier		
Industry	Materials		
Products	Polymers & plastics		

Context

• The client wanted to identify the supply chain with respect to additive manufacturing as well as the cost of manufacturing for each product family in the end market.

Key Business Questions

- What are the challenges within each product family?
- Which is the 3D technology of choice for each product family?
- What are the prices of material, technologies, and parts?
- How advanced is each product family and how far is it beyond the prototype?
- Which are the leading companies in material formulation, 3D platform, and material parts manufacturing?
- What is the cost/kilo/segment per part of the supply chain?

Engagement Scope

1 Ecosystem Analysis	2 Technology Analysis	3 Trends Insights	4 Supply Chain Analysis
 Identification of ecosystem of the additive manufacturing market Application segments ecosystem Identification of key additive manufacturing suppliers Identification of key material suppliers 	 Technical specifications as well as composite constituents of materials used in additive manufacturing Identification of challenges Identification of benefits of product families 	 Insights into the type of solutions that are being designed for the future Implementation by established and new emerging players (outsiders to traditional ecosystem) 	 Detailed study of the supply chain of the additive manufacturing market across specific applications Technical specifications (type, working, etc.) Cost (precise/indicative – based on subject to availability) of printers and additives for specific applications and parts Evolution of the supply chain analysis

Case study: Ecosystem, Technology Trends, and Supply Chain Analysis – Additive Manufacturing

Research Methodology

Secondary Research

- Conducted desk research to understand the overall market and ecosystem
- Referred to paid databases and identified patents for fuel cell technology
- Conducted more than 30+ discussions with material suppliers, 3D printer manufacturers, distributors, additive manufacturing customers, etc.

Benefits to Client

- Based on the study and recommendations, the client gained insights on the evolving additive manufacturing ecosystem.
- The client was also able to determine the cost of manufacturing at each level.
- A list of top material suppliers and the best performing application areas was also determined, based on which, the client was able to further identify the most profitable area.

Sample Analysis



Thank you

North America

55 Madison Ave, Suite 400 Morristown, NJ 07960 USA T: +1 212 835 1590

Europe

328-334 Graadt van Roggenweg 4th Floor, Utrecht, 3531 AH Netherlands T: +31 30 298 2108

United Kingdom

5 Chancery Lane London EC4A 1BL United Kingdom T: +44 207 406 7548

Asia Pacific

Millennium Business Park Sector 3, Building # 4, Mahape Navi Mumbai 400 710 India T: +91 22 6772 5700

FutureBridge