Material Scouting and Landscape & Ecosystem Analysis

Case Study



Client	Leading automotive and component manufacturer
Industry	Automotive
Products	Premium cars and commercial vehicles

Context

 With an increasing focus on the growing environmental concerns and difficulties in raw material sourcing, the client was aiming to reduce primary raw material requirements. The client specifically wanted to limit its reliance on materials that are available in limited quantities and have a substantial environmental impact when used and extracted from the Earth.

Key Business Questions

- What are the latest recyclable/renew able/bio-based materials developed for electric vehicles and their applications in the automotive industry?
- Which automotive components are expected to be produced from these new alternative materials?
- Who are the leading material/technology developers innovating in the space of these materials?
- What are the latest product/material launches?
- Who are the potential suppliers of these materials?

Engagement Scope

Material Scouting & Lands cape	2 Ecosystem Analysis
Austainable materials identified from within the automotive industry Materials identified from other industries such as textiles, chemicals, aerospace, etc. Material properties — Mechanical properties (strength, toughness, brittleness, etc.) — Chemical properties (corrosion resistance, pH resistance, etc.) — Energy required to manufacture/recycle respective materials tate of maturity of materials Material processing requirements	 Key players involved in the development of sustainable materials for automobiles Automotive OEMs Tier 1/tier 2 suppliers Material manufacturers/technology developers Startups Universities/research institutes Player vs. material vs. component mapping Collaborations/partnerships and M&As Recent activities Potential suppliers of renewable materials

Research Methodology

Secondary Research

- Conducted desk research to gain insights with regard to sustainable materials currently used in automobiles and development of new automotive materials
- Referred to paid databases for obtaining information on patents pertaining to new technology and sustainable material development

Primary Research

 10+ telephonic interviews conducted with material suppliers, OEMs, tier 1 & 2 suppliers, industry experts, etc.

Benefits to Client

- The client received inputs on the extent of research conducted on sustainable materials used for the development of automobiles.
- The client also gathered knowledge regarding automotive components that are expected to be designed and manufactured using sustainable materials in the near, medium, and long-term.
- The client also obtained critical information on key players in the ecosystem, market strategies adopted, and innovations and initiatives undertaken by them.

Sample Analysis

1 Industry.	Analysis	2 Competitive Intelligence
Restant wantige a panel, south for shallows (200, Rossing and, panel) and shallows a state of the state of	<text><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><image/><section-header><image/></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></text>	ONE setter control of the set of

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

