



Technology Landscape & Solution Scouting: Steel Recycling

Case Study

Technology Landscape & Solution Scouting

Client	Leading recycling services provider
Industry	Metal & Plastic Recycling
Products	Scrap metal cutting equipment, skeleton cutting equipment, etc.

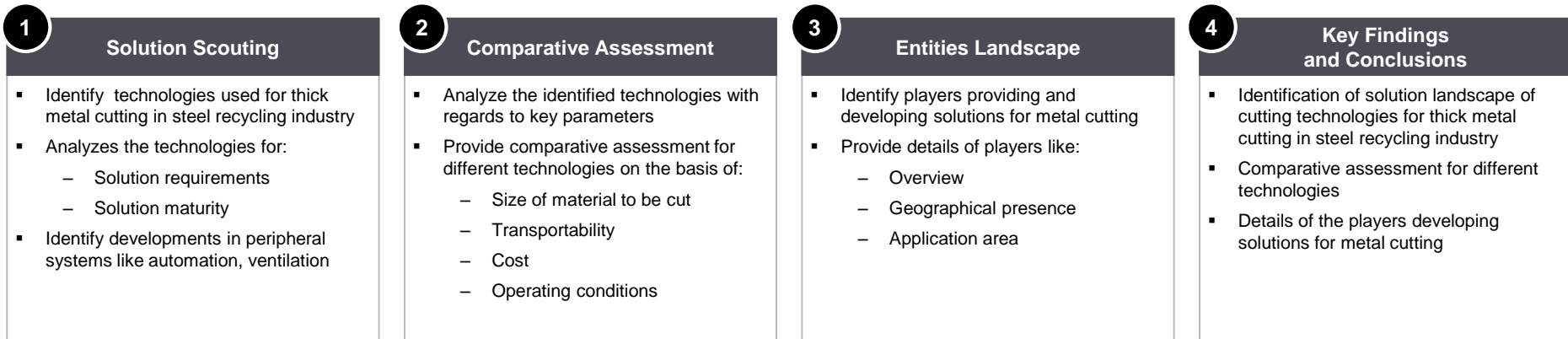
Context

- Client wanted to identify scrap metal cutting solutions and technologies for large thickness cutting and skeleton cutting, etc., that can provide benefit over existing manual process
- Client also wanted to gain understanding of solutions in peripheral processes such as ventilation, automation, etc.

Key Business Questions

- What are the various technologies and solutions for large thickness cutting and skeleton cutting?
- Who are the key players actively developing technologies in this domain?
- What is the geographical presence of the players providing these solutions?

Engagement Scope



Technology Landscape & Solution Scouting

Research Methodology

Secondary Research

- Conducted desk research for identifying technologies and understanding player activities
- Reviewed various scientific literature for understanding and benchmarking metal cutting technologies

Patent Research

- Explored patents databases for extraction of innovative solutions for steel recycling

Benefits to Client

- Client was assisted with a detailed technology approaches for metal cutting in steel recycling industry
- Client was able to select solutions that was best suited for their application and requirement
- The technology intelligence also identified solutions in peripheral processes such as ventilation, automation, etc. which was of high interest to the client
- Client got help in initiating technology transfer / technology acquisition activity

Sample Analysis

1 Solution Scouting

The screenshot displays a patent search interface. The top section shows search results for 'US2009024973A1 - Diesel Turbine SCR Catalyst'. Below this, there are several patent entries with their titles and publication numbers. One prominent entry is 'EP206756A2 - Method and system using a reduction catalyst to reduce nitrate oxide'. The interface includes search filters and a list of results with brief descriptions and publication numbers.

2 Comparative Assessment

The screenshot shows a 'Benchmarking & Ranking of Potential Technologies' interface. It features a grid titled 'Technology Landscape (Entities)' with columns for 'Entity', 'Application', 'Strategic Importance', 'Landscape', 'Market', and 'Risk'. The grid contains several rows of data, including entities like 'InStar', 'Steel Pipe', 'Steel', 'Steel Industry', 'CSP', 'Steel Plant', and 'Steel Plant'. The interface also includes a 'Ranking' column and a 'Filter' section.

3 Entities Landscape

The screenshot displays an 'Industry Landscape - MATS Equipments - Key Players' interface. It features a world map showing the geographic distribution of key players. A pie chart is also visible, representing the distribution of players. The interface includes a 'Player Type' section and a 'Key Players' list.

4 Key Findings and Conclusions

The screenshot shows a 'Key Technological Advancements' interface. It features a pie chart titled 'Technology Cluster - Overall Distribution' and a list of findings. The pie chart shows the distribution of findings across different technology clusters. The list of findings includes various technological advancements and their descriptions.

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