



# Industry Landscape & Future Outlook: AI For Machine Control

Case Study

# Industry Trends & Future Outlook

<b>Client</b>	Global manufacturer of mechatronic systems
<b>Industry</b>	Automotive and other industries
<b>Products</b>	Machine control solutions, control mechatronics, etc.

## Engagement Scope

**1 Technology Intelligence**

- Identification and detailed analysis of the technology clusters covering patents, technical papers, footprint in the area of artificial intelligence for machine control in autonomous vehicles
- Following constituents was covered in this section –
  - Technology Clusters Analysis (Identification of themes / focus areas)
  - Trends Analysis

**2 Industry Landscape**

- Outline the entire ecosystem of AI for machine control
- Following constituents shall be covered in the module –
  - Ecosystem Analysis
  - Entity Concentration Analysis (currently active entities that are part of the ecosystem viz., Automotive OEMs, Tier 1s, Tier 2s, Academia, Research Institutes, etc.)
  - Investment Footprint (startups and funding overview)

**3 Key Findings & Conclusion**

- Holistic picture for technology and industry outlook
- Intensity map of the activity identified via patents, technical papers, footprint in the area of AI for machine control in autonomous vehicles

## Context

- Artificial intelligence and machine learning is revolutionizing many industries, mining industry is also embracing the power of AI in various operations
- To support its large-scale strategic investment decisions, the Client wanted to comprehend the industry landscape of AI for machine control applications

## Key Business Questions

- Where are the technology clusters of AI for machine control forming geographically?
- What are the core IP (Intellectual Property) being developed?
- Where are the key competitors present within this domain or area?

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## Research Methodology

### Secondary Research

- Conducted secondary research to get insights AI for machine control
- Analyzed web articles for product/technology introduction, industry trends and associated developments

### Patent Research

- Relevant patents were analyzed to identify new technology areas and active entities

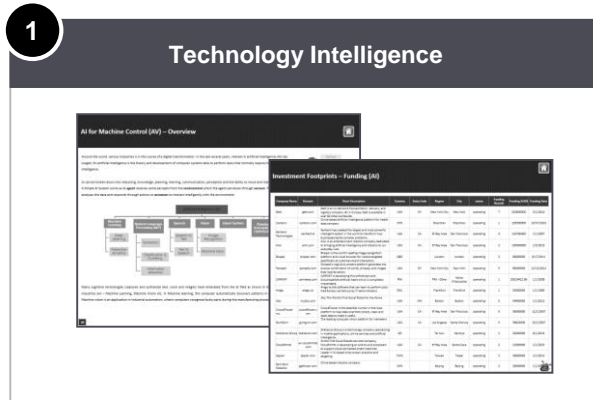
### Scientific Literature Research

- Research & academia-level insights were gathered to identify active regions & institutes

## Benefits to Client

- Client was presented a detailed analysis of the technology clusters vis-à-vis worldwide intensity map based on the patents, technical papers, etc.
- The intelligence also outlined the entire ecosystem covering intelligence pertaining to the players operating in this domain
- Client got a clear picture for active regions and institutes which assisted them in their investment strategies

## 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