



# Technology Landscape

## High-Power SoC – Automotive

### Application

Case Study

<b>Client</b>	Fortune 500 leading semiconductor solution provider headquartered in Europe
<b>Industry</b>	Automotive, industrial, power conversion, and digital security solution
<b>Products</b>	Microelectronics and technology solution

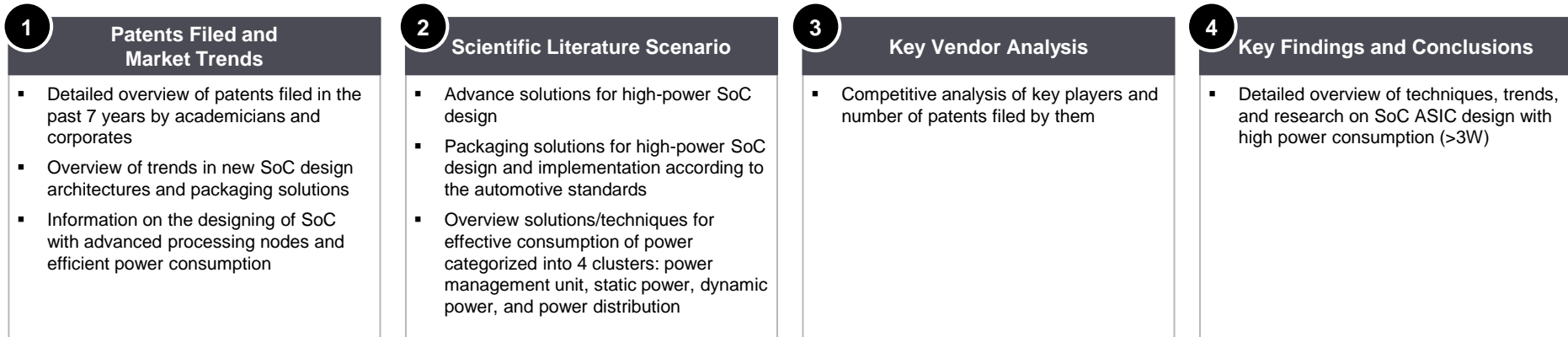
### Context

- The client wants to understand the landscape of techniques, trends, and research on SoC ASIC design with high power consumption (>3W). Primarily, the study focuses on the design of high-power SoC with dimensional scaling of 28nm and below. It also includes solutions for high-power SoC designs for next-generation automotive MCU, along with an overview of patent filings.

### Key Business Questions

- References focusing on SoC ASIC design with high power consumption (>3W)
- Related references focusing on SoC ASIC design with high power consumption (no disclosure of specific values of power consumption)

## Engagement Scope



## Research Methodology

### Secondary Research

- Conducted desk research to understand the overall market scenario
- Referred to paid databases and identified patents for SoC ASIC design with high power consumption

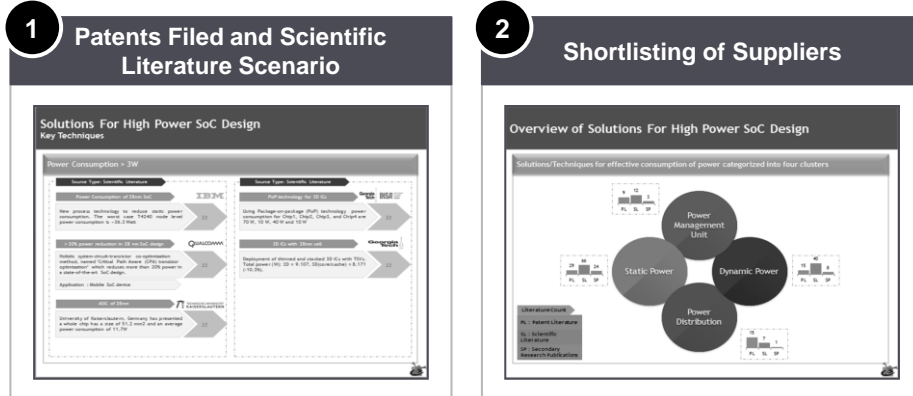
### Primary Research

- 50+ telephonic interviews conducted with manufacturers, distributors, industry experts, retailers, and consumers

## Benefits to Client

- Understand the landscape of techniques, trends, and research on SoC ASIC design with high power consumption
- Overview of patents filed and scientific literature published in the last 7 years on high-power SoC ASIC design
- Competitive analysis of key players operating in the market

## 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