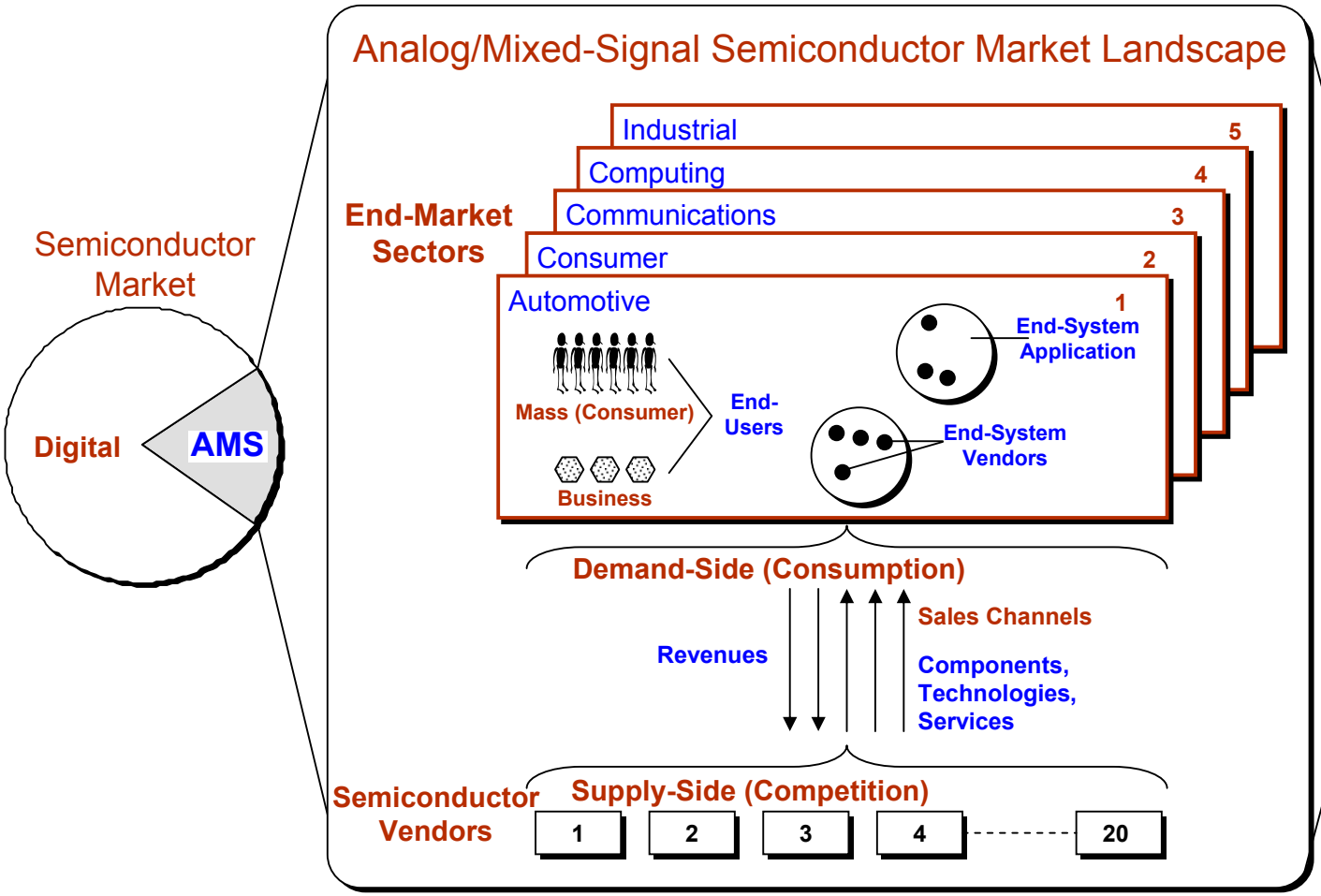
Petrov Group 2004 Mixed-Signal Study Coverage Overview



Note: Military and government market sectors are excluded

Five Analyses Perspectives:

1. End-market size, composition, and trends (demand-side)
   - By major end-system applications
   - By major end-system vendors
2. End-system applications and technology trends
3. Analog/mixed signal semiconductor products and technologies
   - Design technology (methodology and tools)
   - Design engagement (turnkey, semicustom, COT)
   - Design implementation (ASIC, ASSP, SIP)
   - Functional integration (MSoC, analog)
   - Manufacturing technology (fabrication, packaging, assembly/test)
4. Analysis of major analog/mixed-signal suppliers of products and technologies (supply side)
5. Key business drivers and trends (2004-2010)
   - Demand-supply market dynamics analysis

Mixed-Signal Market Study: Content Overview

Supply-Side Analysis Report: *Competitive Analysis of Mixed-Signal Semiconductor Vendors*

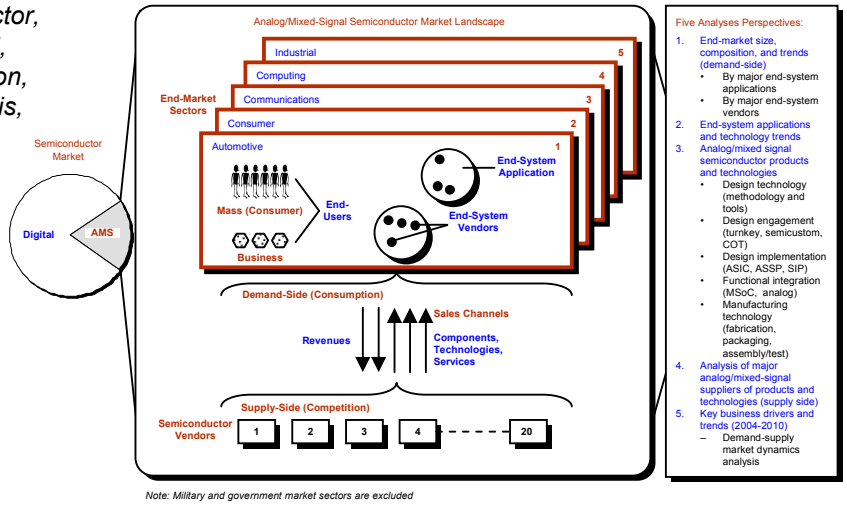
Mission: To provide comprehensive insights into how semiconductor vendors compete in the analog/mixed-signal (AMS) market

Scope: Business, products, and technologies of 20 AMS semiconductor vendors tentatively including:

STM, TI, ADI, National, Linear, Maxim, AMIS, Infineon, Philips Semiconductor, Freescale, Renesas, Agere, Marvel, Qualcomm, Silicon Image, 1st Silicon, Power Integrations, ELMOS, Melexis, and Micronas

Core Contents:

- Executive summary (30 pages)
- AMS market, applications, technology, and business trends (40 pages)
- Comparative overview of AMS vendors (15 pages)
- Case studies of 20 AMS vendors (240 pages)
  - Company business and market positioning
  - Product line analysis/new products emphasis
  - Process technologies overview
  - Deployment of products and processes
  - Role of foundry and partners
  - Key areas of R&D expenditures



Note: Military and government market sectors are excluded

Report Size: 350 pages (including over 55 figures)

Customer Optional Input on Interest Areas and Scope:

1. Vendor selection (additions/deletions)
2. Contents additions/deletions
3. Other

Demand-Side Analysis Report: *Mixed-Signal Market and Technology Case Studies (multiple reports)*

Mission: To provide qualitative and quantitative assessments of IC consumption trends by major end-market sector, end-system applications, and system vendors

Scope: End-market sectors

- Communications (focus on wireless)
- Consumer (focus on audio/video)
- Automotive (focus on sensors)
- Computing (focus on mass storage)
- Industrial (focus on medical)

These five sectors are analyzed as stand-alone entities from five distinct perspectives:

- End-market size, composition, and trends
- End-system applications and technology trends
- AMS products and technology trends
- Major AMS products and technology suppliers
- Key business drivers and trends (2004 to 2010)

Core Contents:

- Executive summary (30 pages)
- AMS market/applications/technology trends (30 pages)
- Comparative overview of end-market sectors (15 pages)
- Case studies of five end-market sectors (210 pages)
  - Market size, composition, and trends
  - End-system applications and technology trends
  - AMS semiconductor consumption trends
    - Design technology (methodology and tools)
    - Design engagement (custom, semicustom, COT)
    - Design implementation (ASIC, ASSP, SIP)
    - Functional integration (MSoC, analog)
    - Manufacturing technology (fabrication, packaging)
  - Major AMS suppliers of products and technologies
  - Key business drivers and trends (2004 to 2010)

Report Size: 300 pages (including over 60 figures)

Customer Optional Input on Interest Areas and Scope:

1. End-market sectors/focus area
2. End-system application focus
3. System vendor focus
4. Other