

Defence and Automotive Radar – Differences and Commonalities



Microwave Journal Industry Panel Session
European Microwave Week 2013

STRATEGYANALYTICS

Addressing your Needs through Knowledge Centers



Full-time Industry Analysts in Europe, the US, Asia

Automotive



Over Thirty Syndicated Services Delivering Research to Over 100+ Global Leaders

Wireless

**Devices
Services
Contents
Apps
Apps**

Defense

Platforms

Systems

Technologies

Devices

Multimedia & Communications

Connected Home

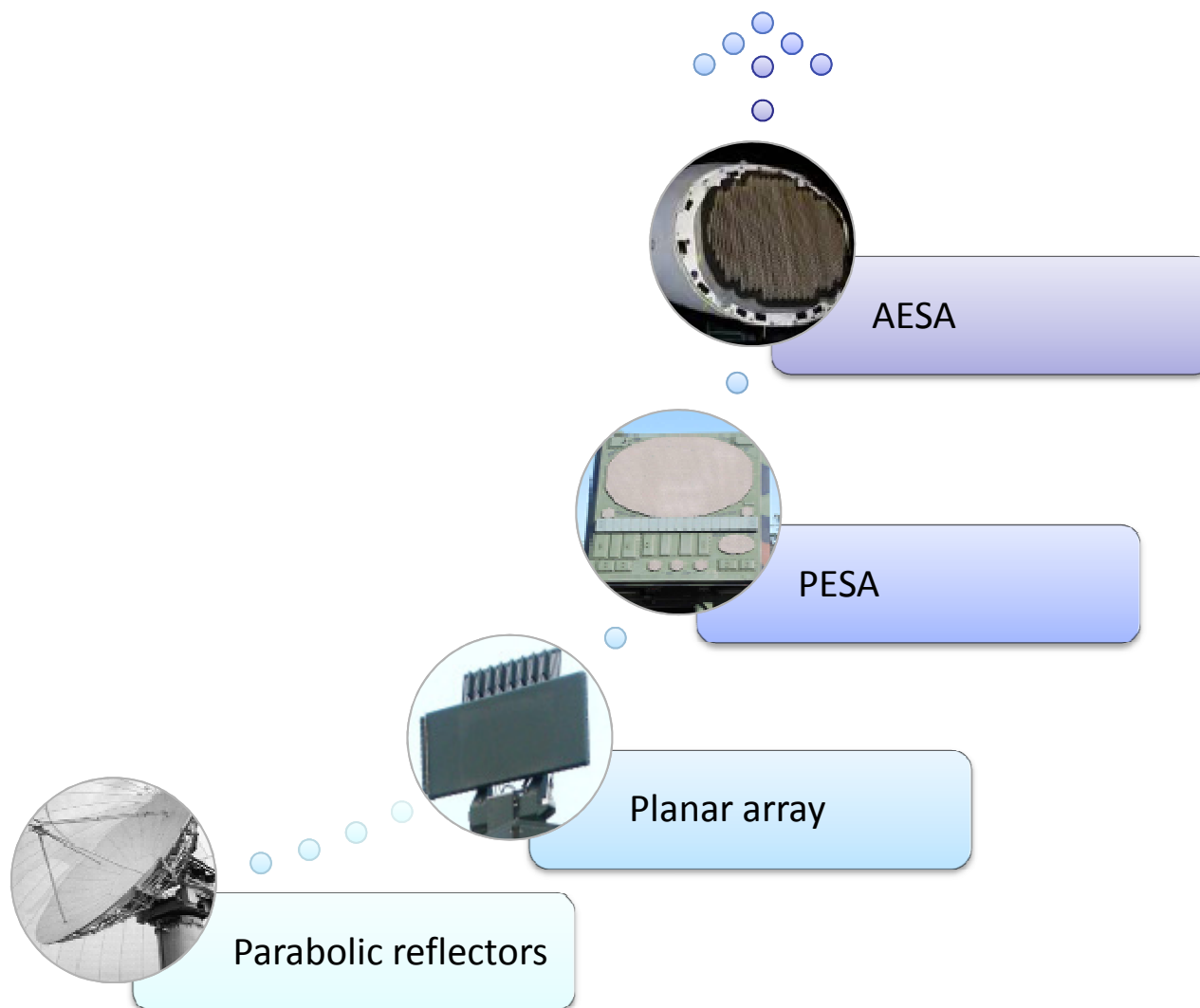
Broadband

Entertainment

Telecoms

Enterprise

Defence Radar Evolution





Automotive Radar Evolution

Source: Bosch, from Strategy Analytics report,
Automotive RADAR: Design Trends Point
Towards Performance And Affordability



10 GHz automotive radar system built by VDO
in the early 1970s (Source: private collection of
the author), from Microwave Journal article

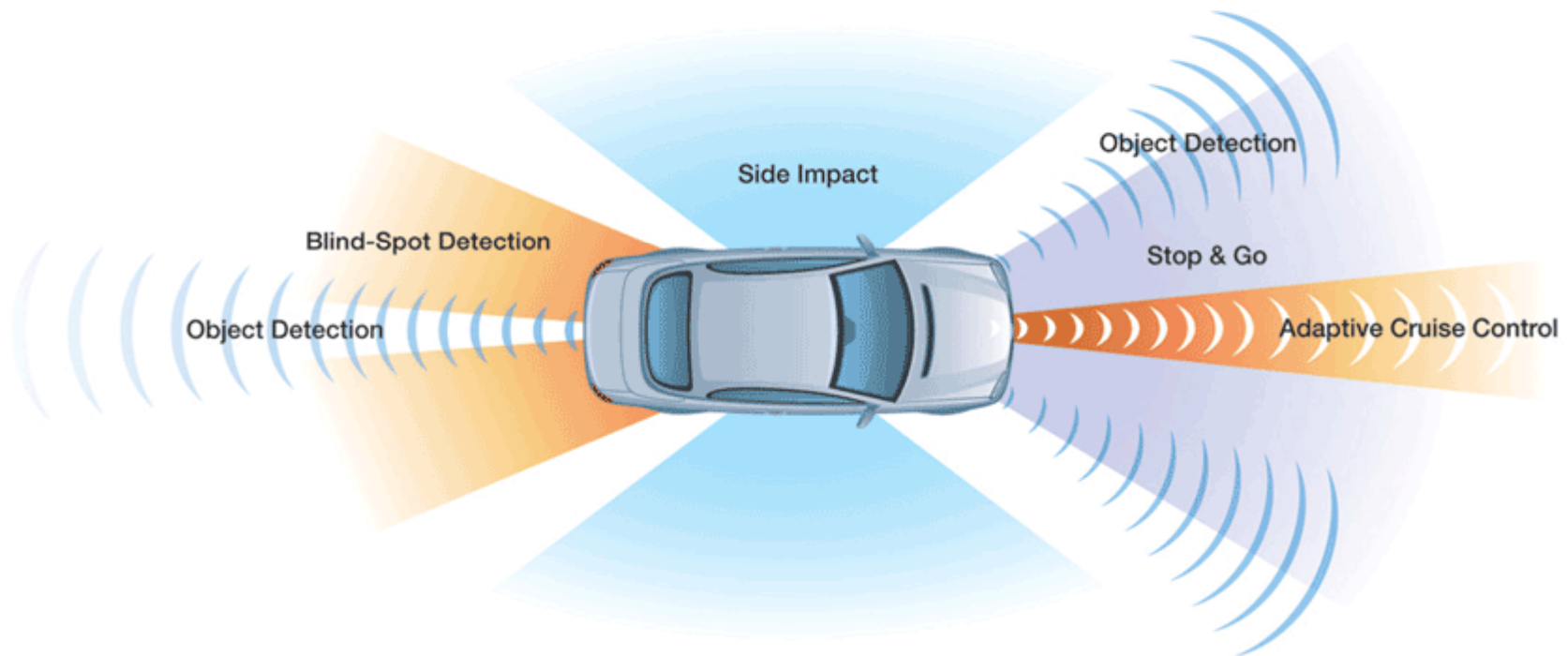
Defense Radar Multi-role Capabilities



Automotive Radar Multi-role Capabilities



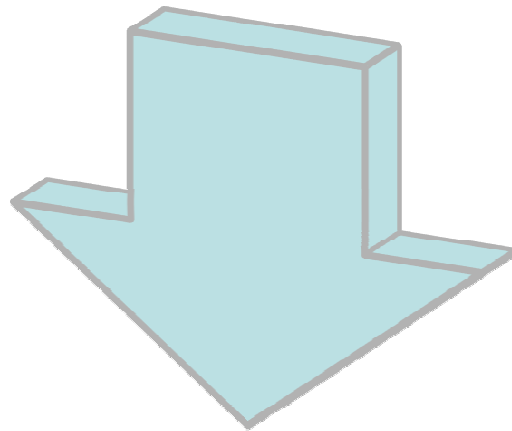
Automotive Radar Applications



Source: Freescale



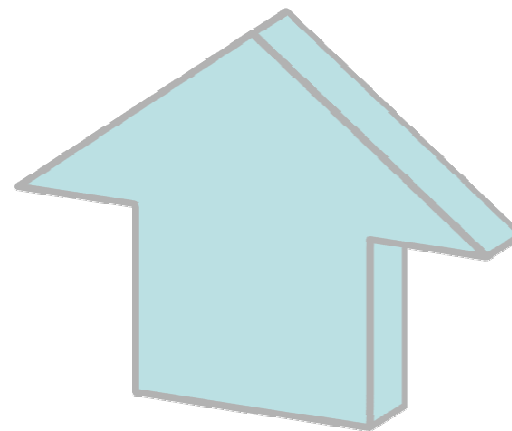
System Upgrades vs. New Platforms



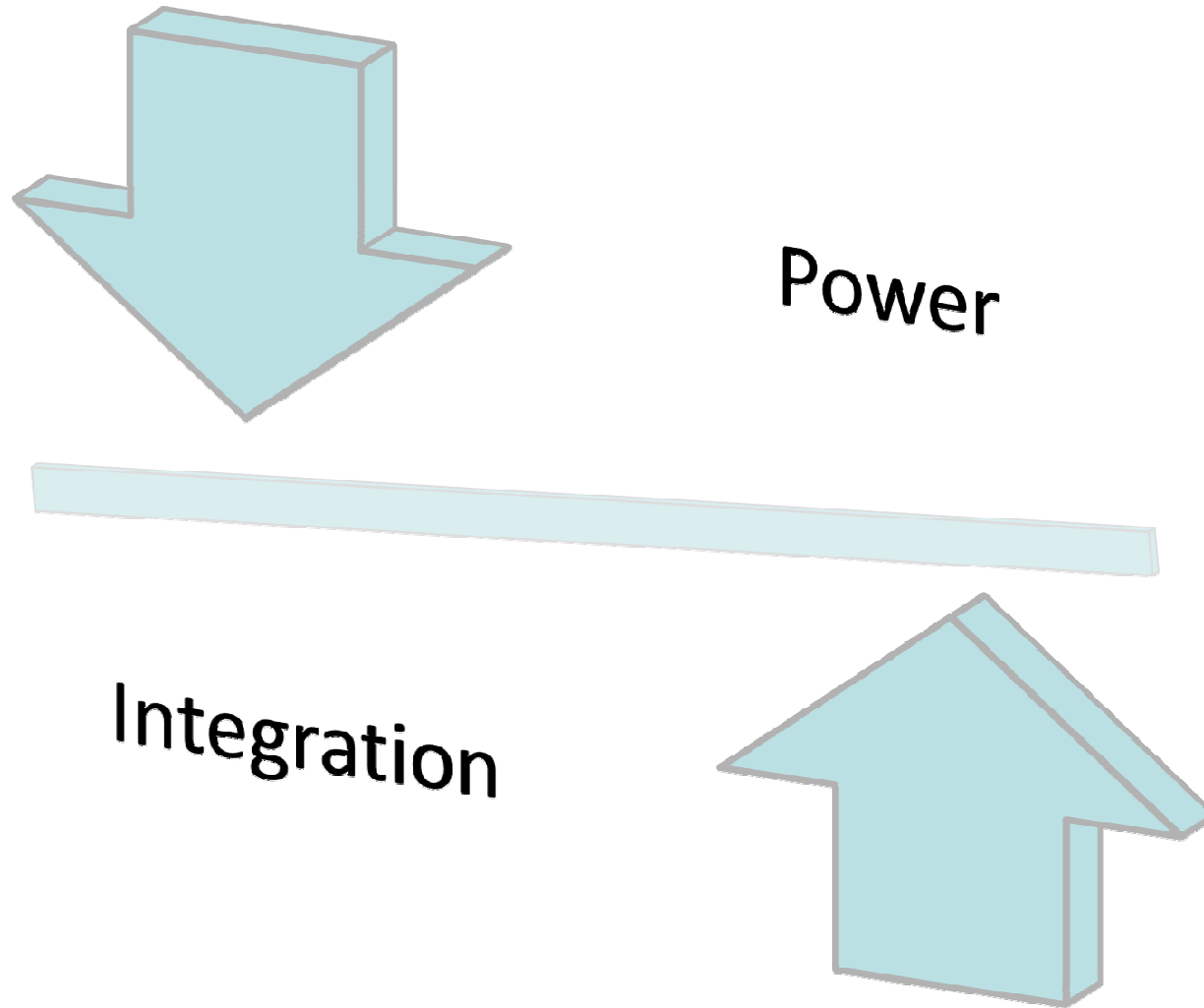
Defence
platforms
lasting up to 50
years



Three to five
year
automotive
design cycle



Power vs. Integration



Other Themes



Electronically Scanned Array

RF Technologies

Digital Beamforming

SWaP-C R

What is the Market Outlook?



Learn more during the Strategy Analytics Lunch Session