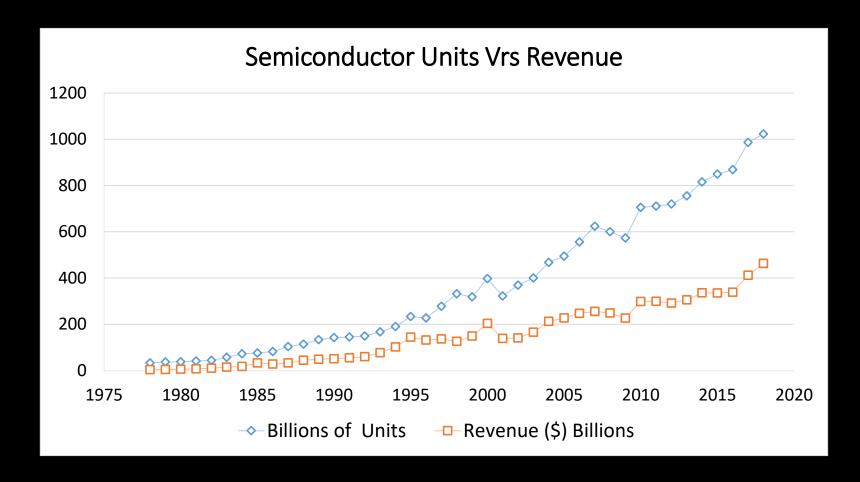
The Changing Techonomics of Chip Design

13th September - D&R IPSoC 2018, Shanghai

Samir Patel - CEO Sankalp Semiconductor



Industry Trends

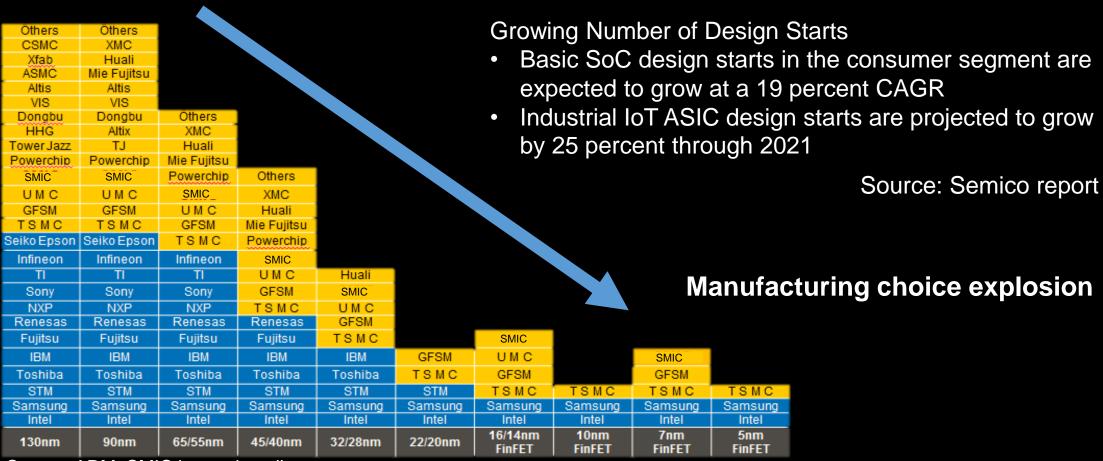


Industry to find newer efficiency models

- Do more with less
- Address Just-in-Time needs



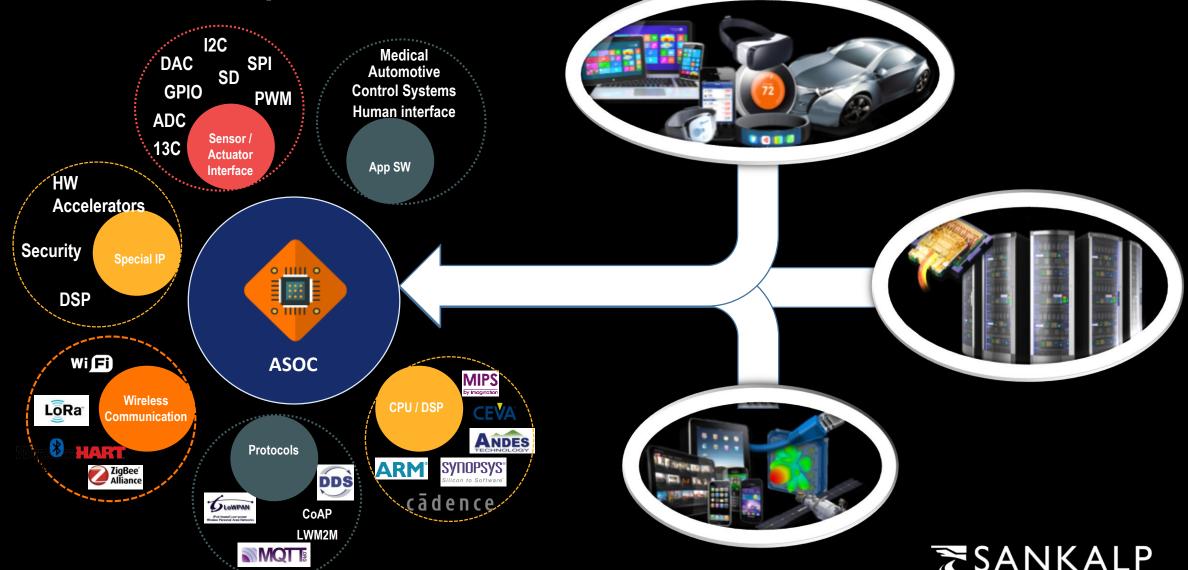
Wide Selection of Technology & Node



Source: ARM, SMIC internal studies



ASoC Explosion



Market Drivers & Industry Response

Market Drivers

- Variety explosion
 - IoT, AI, Cloud & 5G
- Just-in-Time demand
- Huge increase in demand in China

Industry response

- Preference for building System on Chip (SoC)
- Emphasis on REUSE
- Contract Design



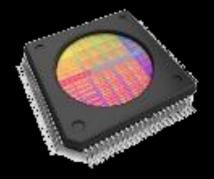
Need for Accelerated Time to Market

ASoC Companies

- Derivatives Size reduction, product line management, features enhancement
- IP & IP Customization Services—Porting to newer technologies nodes

Systems Companies

- End-to-End Chip Design
- Enabling through out the chip ecosystem
 - Test Vehicles
 - Prototyping & Fabrication





Your ASoC Realization Partner

SPEC Definition

RTL Design & Verification

SoC Implementation

IP Choice

Analog & Mixed Signal Design

Custom Layout and Place & Route

Technology Foundation & Foundry Interface

Validation & Characterization

Cooperative business models to help solve your problems



THANK YOU