



Hellenic

**Innovating to address
market opportunities & technology challenges**

HSIA at a glance



The Hellenic Semiconductor Industry Association

Who we are:

We represent the dynamic
Greek microelectronics industry.
Our Association brings together
50 industrial members and about
30 universities and institutes
in Greece and abroad



Our Vision

Establish the Greek microelectronics industry
as a recognized center of innovation
and a dynamic partner within the
global high-tech market

How we are doing it



- ✓ Pull together the “success hungry” engineering talent of Greece;
- ✓ Convince the diaspora of Greek executives to overcome their disillusionment over their motherland;
- ✓ Attract international sales and marketing talent;
- ✓ Bring substantial government “matching grant” and
- ✓ Liaise all in a cluster to work for commercially viable, global technology business projects

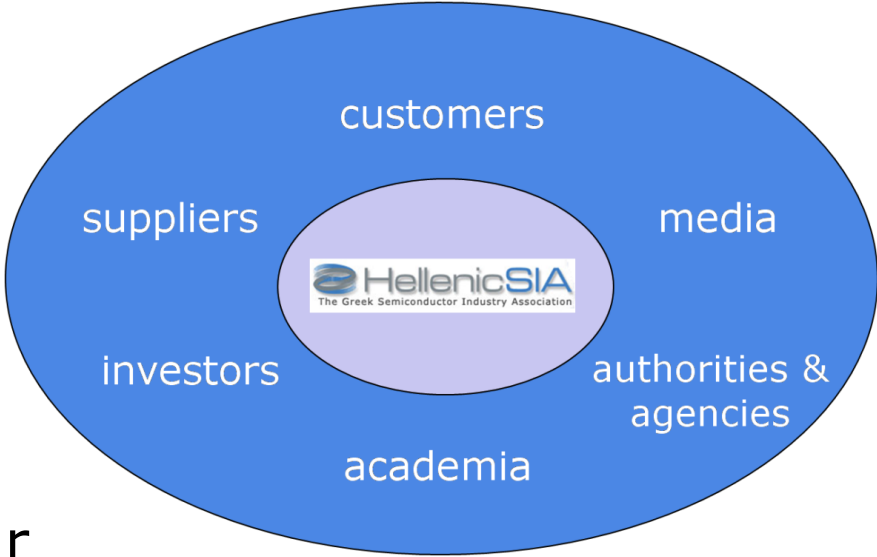


Our mission

Represent the interests of the Greek microelectronics industry and build our members' business

We are committed to:

- Promote the innovation and competitive edge of the Greek microelectronics industry
- Advance collaboration with stakeholders
- Enhance synergies amongst our members to create scale



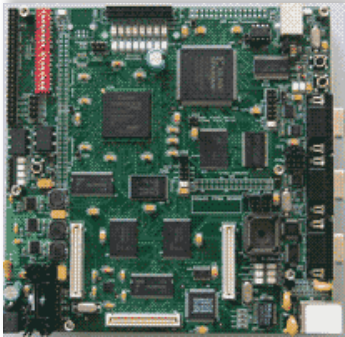


Our members

byte mobile Helic micrel cadence™ SCIENSIS
analogies Alma Technologies nanoradio ELXYS innovations SiTel semiconductor
4Plus Technologies Theon sensors unibrain eTTos S.A. SYNOPSIS
bpedev Nanotropic Think Silicon
THETA microelectronics OTE GENNET S.A. APIX INDUSTRIAL AUTOMATION GDT raymetrics OPT HELLAS
echovision DIAPLOUS COMPONENTS FOR VISUAL PERCEPTION ECONAIS inAccess NETWORKS astrofos
Brite INTRACOM TELECOM Prisma Electronics S.A. Sens@p systems ANTCOR ADVANCED NETWORK TECHNOLOGIES
IRIDA LABS NanoChronous Logic DYNESYS THYRATRON ELECTRONIC APPLICATIONS - E.T.O. v.trip GROUP fasmetrics ZERO ONE MECHATRONICS



Our innovative technologies and products



Integrated video coders
MPEG 4-10/AVC or H.264



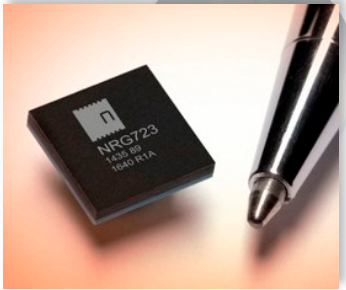
World's greenest VoIP processor with DECT



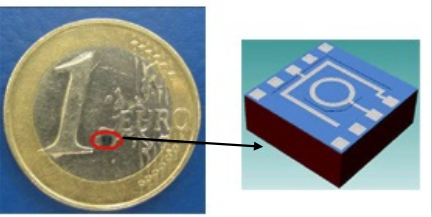
Residential gateways:
Ethernet Switch, HDTV ADSL2/2+, SoftPBX, USB2.0, WiFi, SD Flash Card UWB, GPON, VDSL



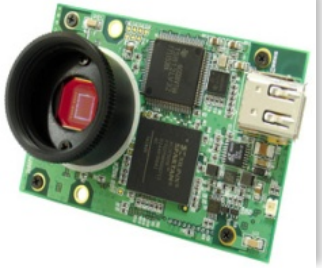
Integrated circuits for Gbit Ethernet and wireless (GSM, 3G, WiFi, WiMax)



Single-chip transceivers for wireless data: WiFi, WiMax



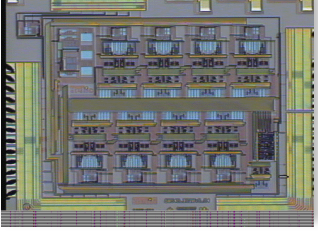
Integrated flow and acceleration sensors



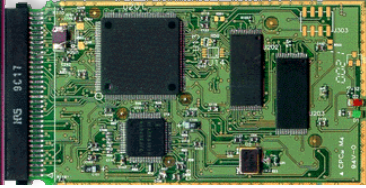
On-Board cameras



Electronic Design Automation (EDA) software tools



Analog, Mixed-signal and RF integrated circuits



Integrated PCMCIA systems for wireless laptop access

Our target applications



- Telecommunications
- Security & Defense
- Industrial automation
- Home, office, consumer
- Medical
- Energy
- Light/LED
- Optoelectronics
- Automotive



Our members' biz models



- IP and ASIC design
- Fabless
- Embedded software
- System design
- EDA tools



Our success stories

- ✓ Over **\$30M** VC investments
- ✓ Over **\$80M** direct investments from multinational companies
- ✓ Innovative technologies and products: > **\$400M** revenues
 - ✓ **2** successful investor exits

over **90%** of our revenues outside Greece

Our members' customers



Our members serve several Tier-1 customers around the world, including:

- **AT&T**
- **Brazil Telecom**
- **Broadcom**
- **CERN**
- **Cypress**
- **EADS Avionics**
- **Freescale**
- **Fujitsu**
- **Goodrich**
- **Intel**
- **Israel Aerospace**
- **Jazz**
- **LG**
- **Lockheed**
- **Mitsubishi**
- **Motorola**
- **NASA**
- **Netlogic**
- **NTT**
- **O2 UK**
- **OKI**
- **Omega**
- **Panasonic**
- **Philips**
- **RFMD**
- **Rockwell**
- **Samsung**
- **Sharp**
- **Skyworks**
- **Sony**
- **T-Mobile**
- **TI**
- **Toshiba**
- **Xerox**

HSIA strong partnerships



HSIA is a proud and active member of the

- ✓ European Semiconductor Industry Association (**ESIA**)
- ✓ Global Semiconductor Alliance (**GSA**)

Our website

www.hellenic-sia.org



HellenicSIA
The Greek Semiconductor Industry Association

innovation with excellence

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Tuesday, 22 June 2010

Welcome to Hellenic SIA
The Hellenic Semiconductor Industry Association (HSIA) was launched in 2005 as a non-profit association of high tech industries to represent the dynamic Greek sector of semiconductors, micro- & nano-electronics and embedded systems. HSIA brings together 50 industrial members and over 30 relevant universities and institutes in Greece and abroad. HSIA is a proud member of the European Semiconductor Industry Association (ESIA) and the

Members' spotlight
See our member's recognition for their commitment to innovation and creative technology solutions

Design Innovation
Find out about the innovation in our members' products and design services

"mi-cluster's Odyssey to growth"
3 & 4 July 2010 Argostoli, Kefalonia

Download our latest brochures:

- [HellenicSIA profile](#)
- [HellenicSIA companies](#)

Business Acceleration Program
Striving for Business Excellence

News

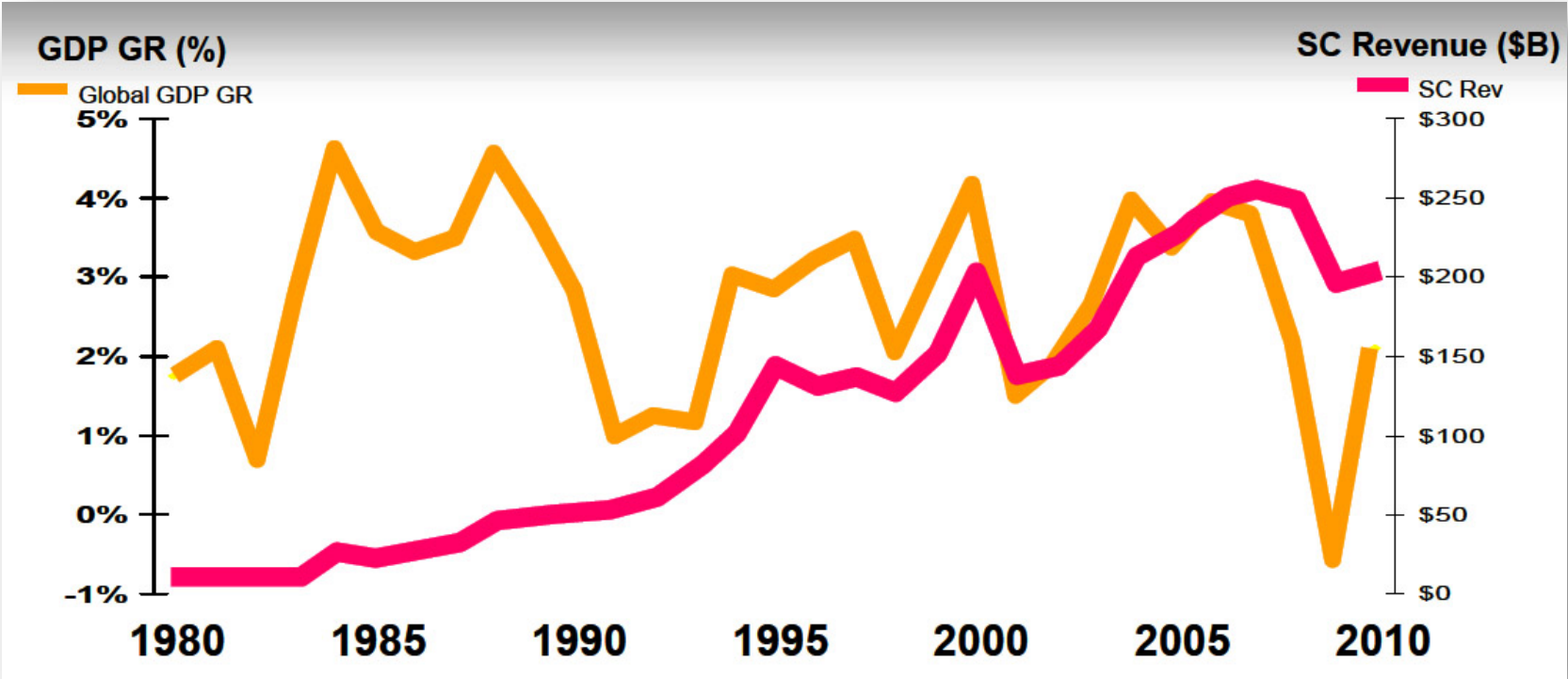
- SiTel's VoIP solutions verified interoperable with BroadSoft's BroadWorks** - Wednesday, 19 May 2010 ... [Read more...](#)
- Alma Technologies: CAST SpeedView JPEG Encoder Core in Samsung Mobile Imaging Solutions** - Tuesday, 18 May 2010

[Our Members](#) [Meet the CEO](#) [Downloads](#) [Events](#)

Semiconductor market outlook



- 2010: 22% growth leading to \$276B market
- 2011-2014: 4.2% CAGR
 - 7.2% Fabless companies CAGR



HSIA case studies



- SiTel Semiconductor



- Alma Technologies



- Think Silicon



- Analogies



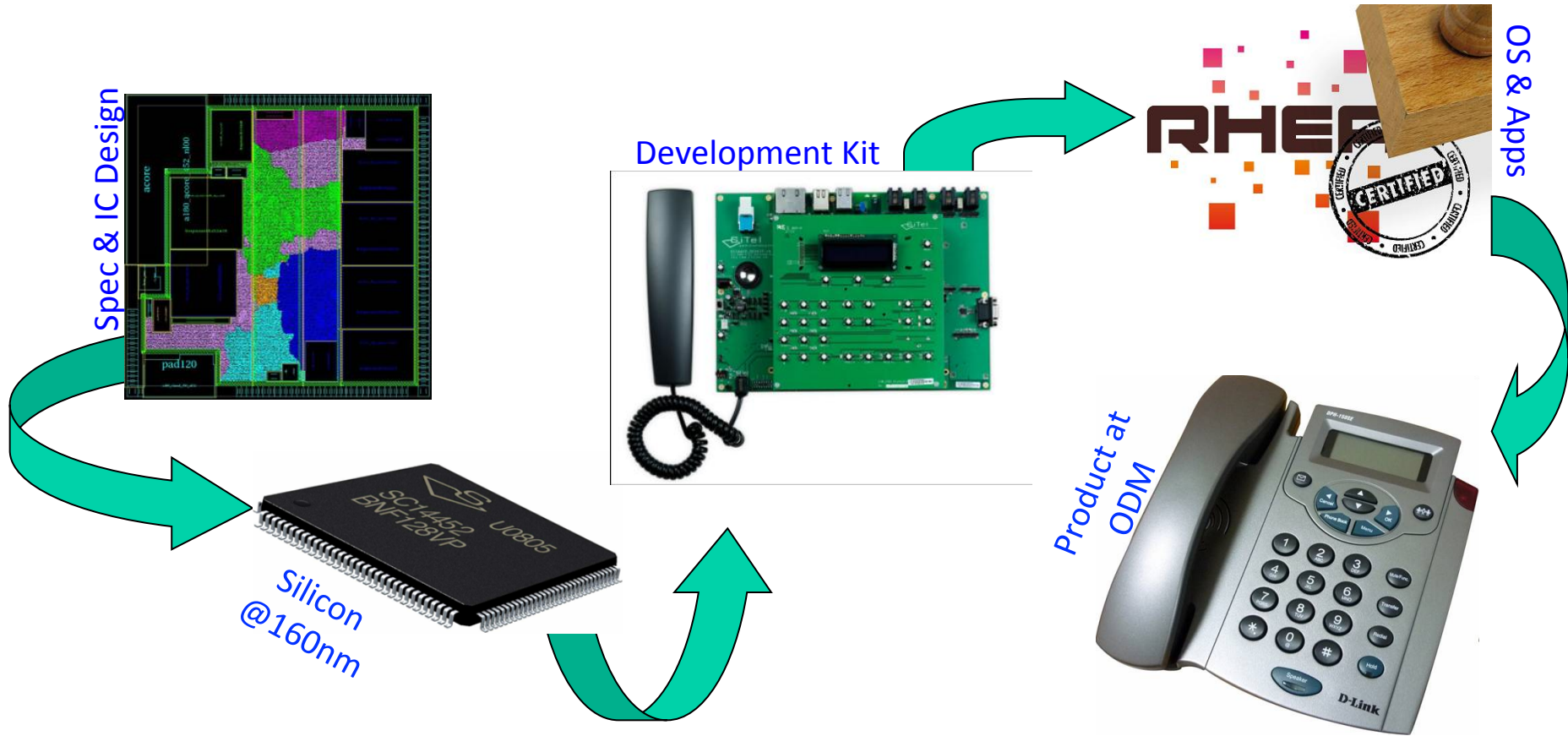
- Helic



SiTel Semiconductor Hellas S.A.



- **Subsidiary** of SiTel Semiconductor B.V. fabless chip maker
- **Target** → VoIP Enterprise Phones with DECT
- **Challenge** → VoIP desktop Enterprise phone with full features and lowest power consumption in the world



Alma Technologies S.A.



Employ-owned silicon IP vendor, established in 2001

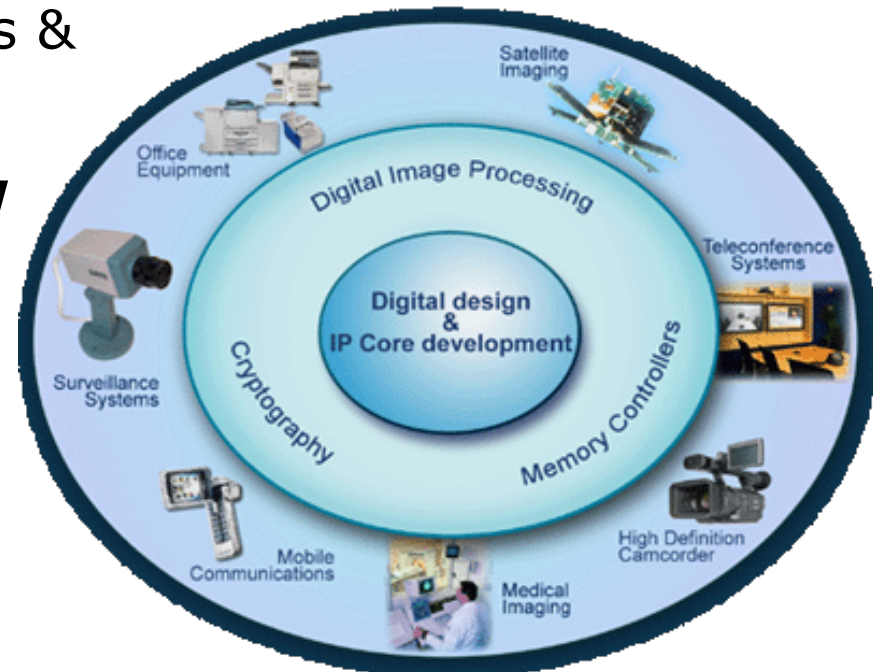
→ **Technology:** Custom hardware architectures for image and video compression

→ **Challenge:** Keep up with the Mpixels and compression algorithms complexity evolution, while keeping the hardware resources & power low

→ **Results: >60 customers WW**

Products used from aerospace to consumer electronics applications

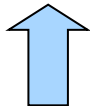
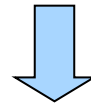
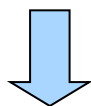
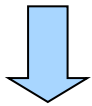
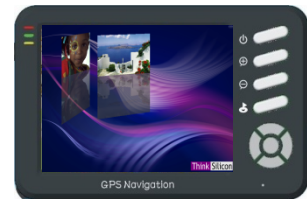
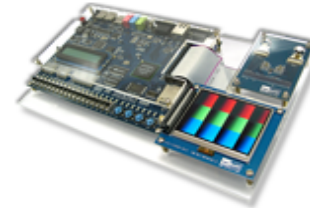
JPEG2000, JPEG, JPEG-LS,
Lossless JPEG, H264



Think Silicon Ltd



- **Market:** Semiconductor Intellectual Property (SIP)
- **Target:** Mobile Graphics Solutions
- **Technology Challenges:** Algorithm Design, HW Design, SW Drivers, Verification, Interoperability, OS porting, Prototyping, System Integration



Graphics Algorithms

SW Design
HW Design

Interoperability
OS Porting

Prototyping

System Integration

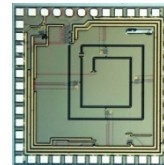


A New Semiconductor Intellectual Property Design Company
Specializing in the development and provision of analog/mixed
signal/RF Intellectual Property (IP) cores and design services

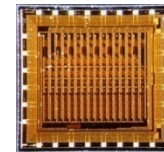
Challenge: Incorporate high speed connectivity interfaces in
today' s mainstream processes' SoCs

Technology: Design, prove, provide and customize high
speed connectivity interface IPs
in mainstream processes

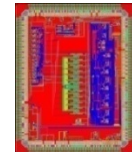
14GHz VCO/PLL, SISO FEC,
DDR2 PHY, USB3.0 PHY IP



DDVCO



ASISOD



DDR2PHY

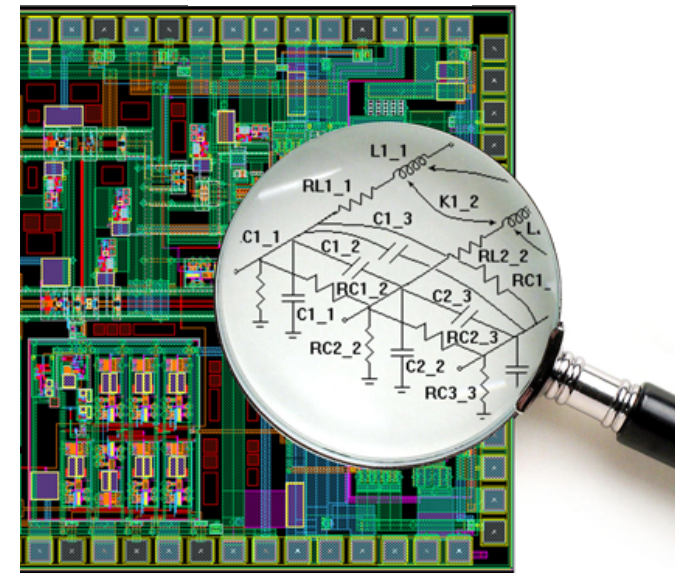
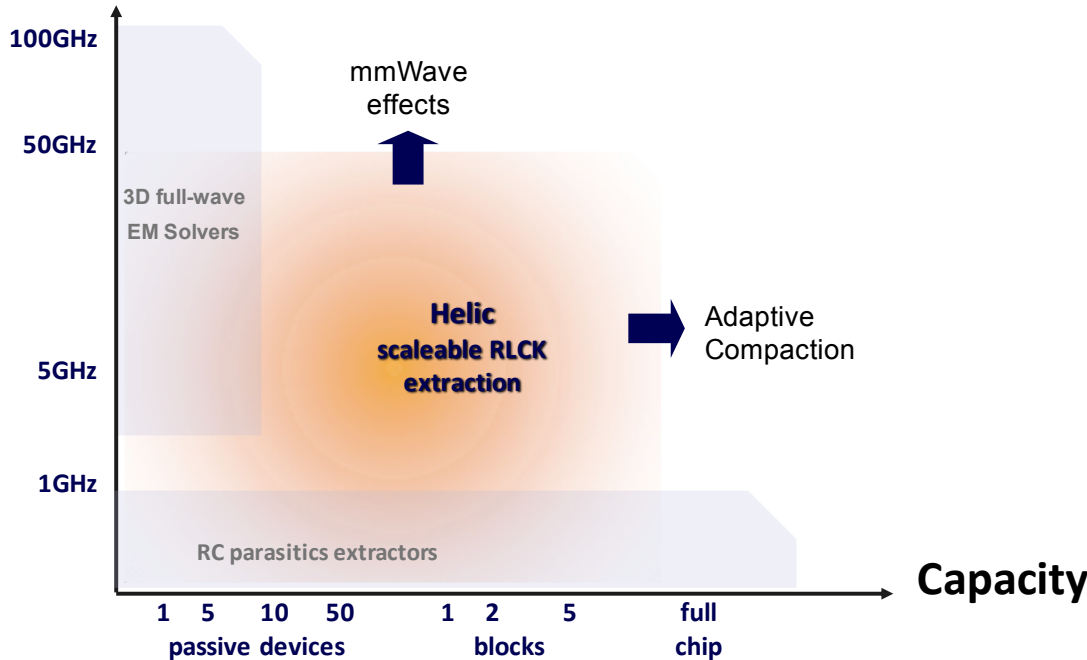
Result: Lower risk and TTM for SoC developers



- **EDA company** – 2000 – Financed by reference investors (Andy Bechtolsheim)
- **Target Market:** Analog, MS, RF IC designs
- **Technology:** Fast EM and high-frequency extraction
- **Challenge:** Accuracy and Capacity beyond 60GHz
- **Results:** >50 corporate customers (US, Japan)



Frequency





What we can do for you

We will find the right HSIA partner for your business and help you build an effective, collaborative relationship