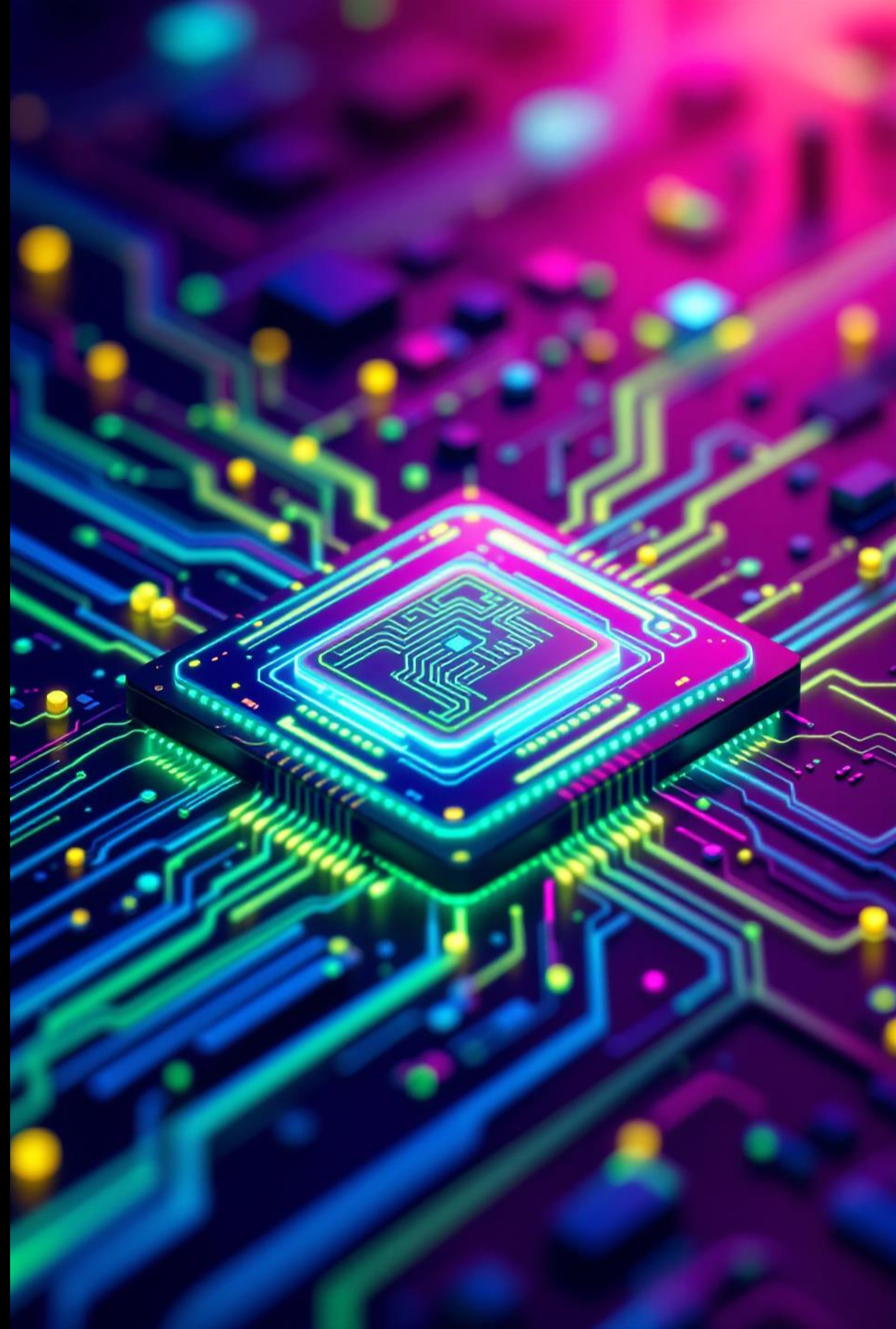
InfiniNode Technologies

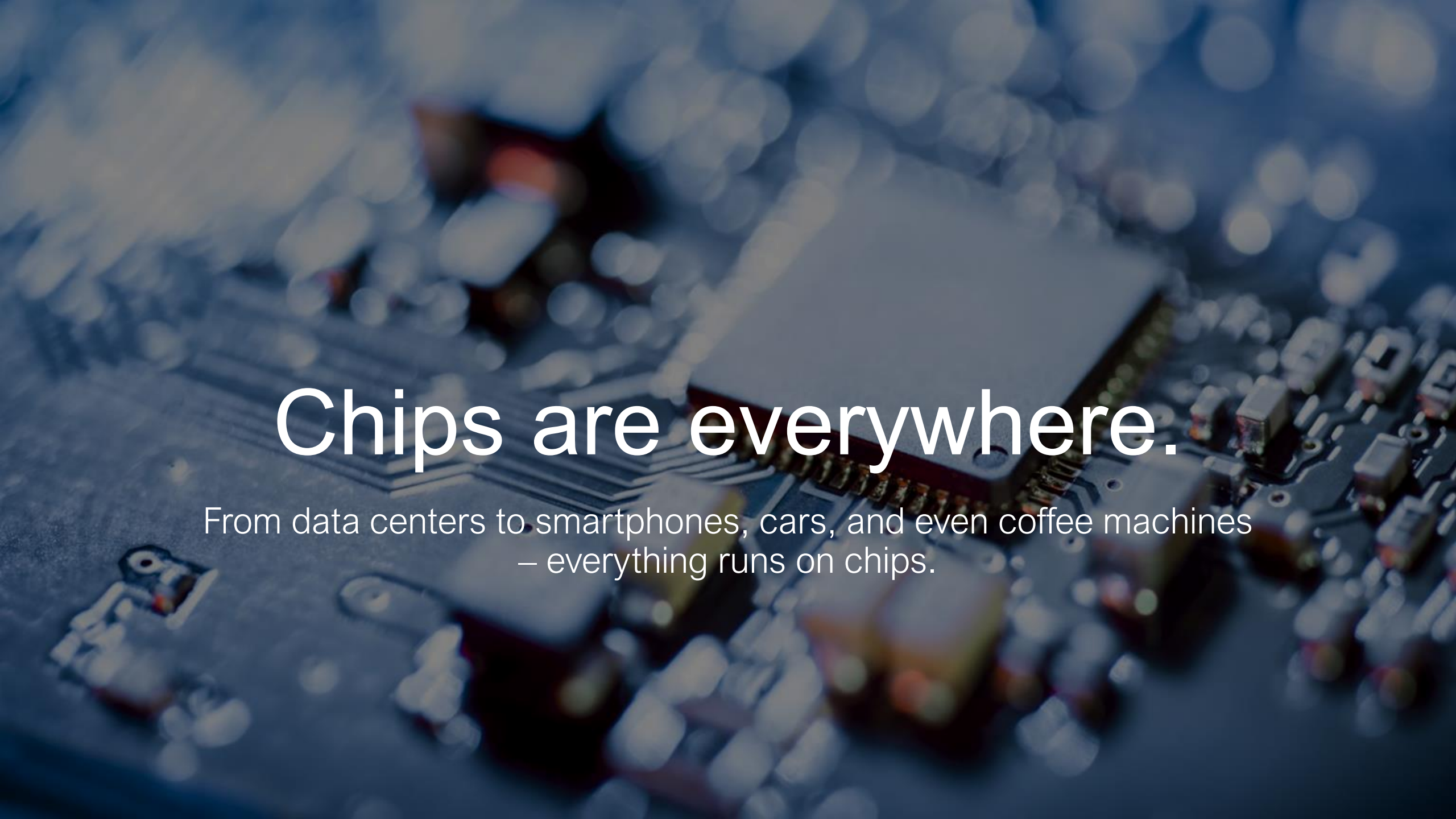
We develop hardware functions that is critical for the on-chip data communication

Our customers are Chip design companies

Founded 2024

Based on R&D since 2019




Chips are everywhere.
From data centers to smartphones, cars, and even coffee machines
– everything runs on chips.

The new challenge for chip designers

AI trend: ever-growing demand for computing power

Historically

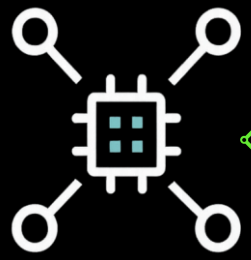
Scaling computer power was straightforward – just make the chip's components smaller and add more of them.

2000 transistors

Now

Chips are already packed to the limit. Components are so small and dense that simply shrinking them further no longer works.

184 billion transistors



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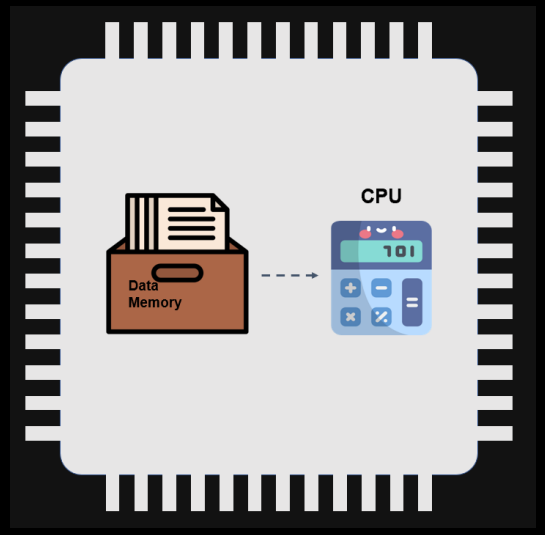
The new BIG problem

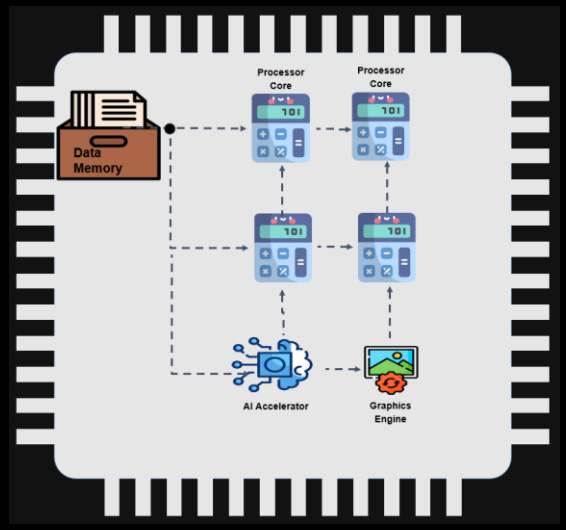
New (Complex) Architecture

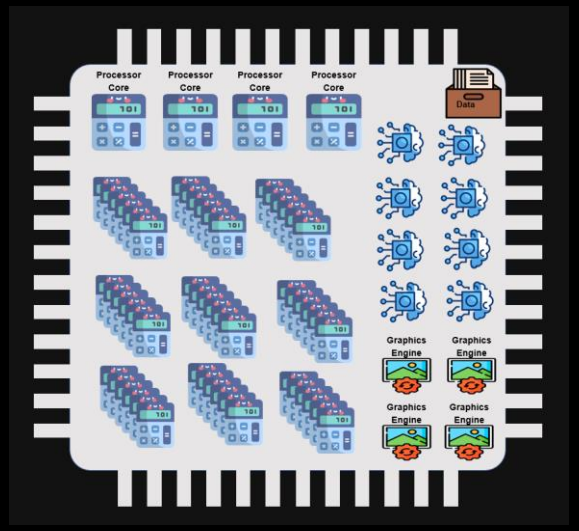
On-Chip communication

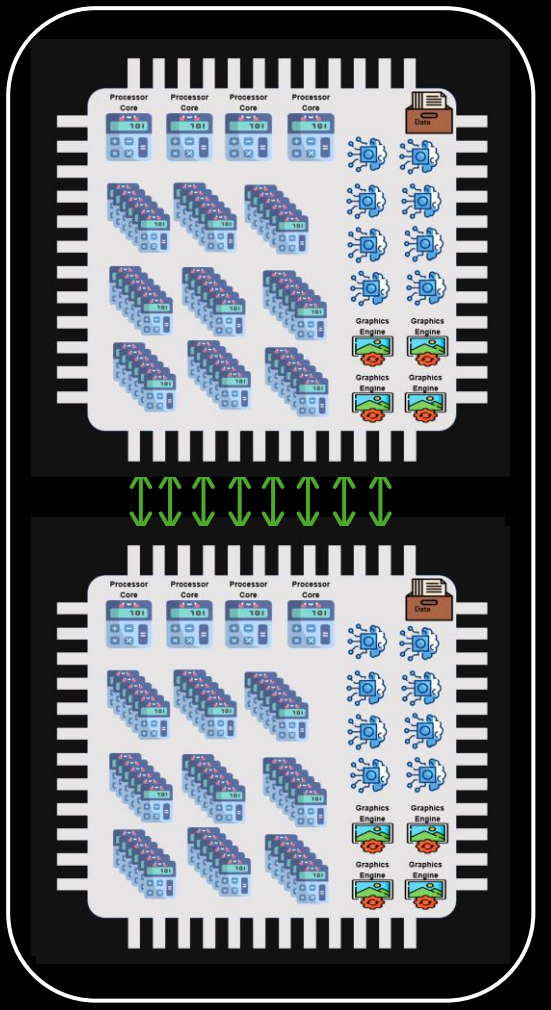
Memory management

The Critical Must Have Interconnect









Why InfiniNode

- Scalable solution – up to 128 cores
- Chiplet readiness
- Team expertise
- Market is here – AI compute demand doubles until 2030

InfiniNode Technologies

The Semiconductor Value Chain

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Fabless chip designers
AMD, NVIDIA, BROADCOM, Qualcomm, NOVATEK, MEDIATEK, REALTEK, TESLA, Meta, HUAWEI, Alphabet, Microsoft, MARVELL, CIRRUS LOGIC, IBM, FUJITSU, cisco, mps

Foundries
SMIC, tsmc, SAMSUNG, Tower, GlobalFoundries, 华虹集团 HUAHONG GROUP, UMC, intel, CanSemi, FAB

Testing & packaging
TERADYNE, ADVANTEST, Amkor Technology, ASE, AEHR TEST SYSTEMS, JCET, Agilent Technologies

The fabless model
In-house chip design with outsourced manufacturing

Design software, R&D tools, and IP
SYNOPSYS, arm, cadence, SIEMENS, Ansys, Qualcomm, KEYSIGHT, LATTICE SEMICONDUCTOR, Rambus

Manufacturing/assembly equipment and ancillary fab services
ASML, APPLIED MATERIALS, ASM, TEL TOKYO ELECTRON, Lam RESEARCH, KLA, Nikon, Lasertec, Canon, HITACHI, INFICON, MYCRONIC, TOSHIBA, Atlas Copco Group, RIXTRON, DISCO, BRUKER, onto, CVD Equipment Corporation, Parker, ACM RESEARCH, Besi, SUSS MicroTec, UCT, ThermoFisher SCIENTIFIC

Raw materials and components
SUMCO, ZEISS, Shin-Etsu, GW, Entegris, FUJIFILM, DUPONT, Air Liquide, siltronic, Wolfspeed, THE LINDE GROUP, JENOPTIK, Panasonic, OSRAM, Nikon, AIR PRODUCTS

The supplier layer
Supplying both sides through all stages of chip development

Integrated Device Manufacturers (IDMs)
Micron, SAMSUNG, KIOXIA, intel, Texas Instruments, Infineon, MICROCHIP, TOSHIBA, onsemi, SK hynix, ST, NXP, Wolfspeed, ANALOG DEVICES, BOSCH, ROHM, nuvoTon, JCET, QORVO, DIODES, RENESAS, SKYWORKS

The integrated model
Vertically integrated chip development

Note: This is a simplified view of an industry whose complexity is impossible to capture in a single infographic.The list of companies is also far from exhaustive.

www.quartr.com

InfiniNode Technologies

InfiniNode: Powering Europe’s Sovereign Compute Ambitions

€43 billion EU Chips Act
€100+ billion in public-private projects
€2+ billion in AI infrastructure

InfiniNode’s Strategic Position in Europe

Trusted IPs in EU-funded projects

Well positioned for chiplet-based SoCs

InfiniNode Technologies

InfiniNode help chip designers meet tomorrow's demands for processing power.

We provide chip designers with the critical functions that enable seamless on-chip communication.

Premium IPs for Lower cost

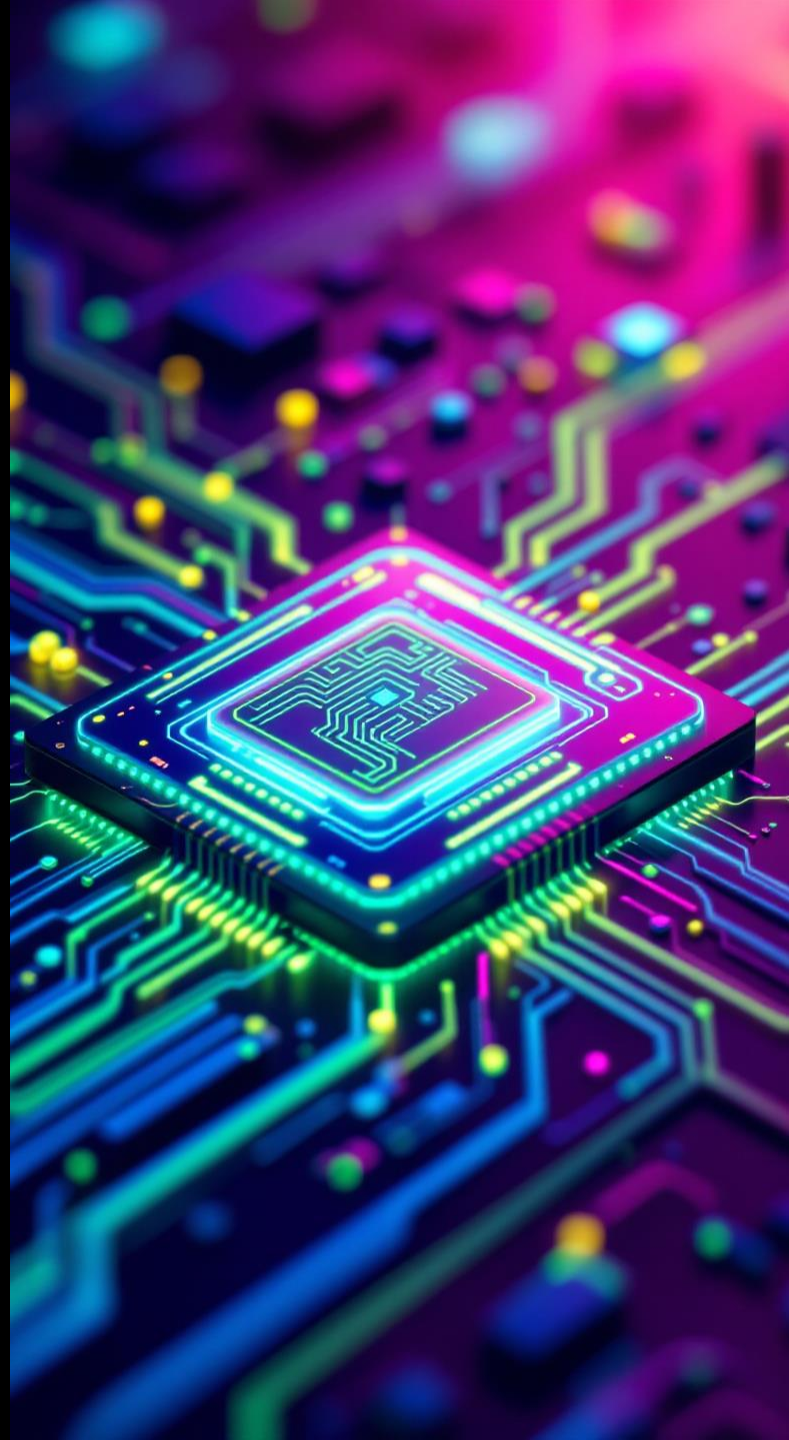
Lower cost vs inhouse development & licensing from market giants

Faster to market

Quicker than developing everything in-house.

Future-ready

Scales beyond today's needs (up to 128 cores)



Business model:
License + design service fee + Royalties

Proof-of-concept

HW prototype

Test Chip

Evaluation license + Design service fee

Tape-out

Commercial license
+
Royalties

InfiniNode
Technologies

On-chip interconnect 2030 market outlook

Arm

x86

RISC-V

Go-To-Market Strategy

Focus on AI accelerator companies

$ 10-15 billion TAM

Customer traction

- Ongoing projects with three actors

semidynamics

Sold Evaluation License

LOI partnership agreement

FRONTGRADE Gaisler

LOI

ZeroPoint

Partnership to evaluate a combined product offering with our Cache IP and their compression IP.

InfiniNode Technologies

CHALMERS UNIVERSITY OF TECHNOLOGY spinoff with top academics and industry experts

CEO
Patrik Millsjö

+15 yrs with int. Sales in Semiconductor & outsourcing projects

Capgemini
ALTRAN
ERICSSON

Prof. Ioannis Sourdis

2 Decades of track record in design of interconnection networks and acceleration technologies

Internationally renowned researcher

Dr. Ahsen Ejaz

Proven track record in interconnection networks design and implementation

Extensive industrial and academic experience

Dr. Bhavishya Goel

Proven track record in cache design and implementation

Extensive industrial and academic experience

Dr. Madhavan Manivannan

Experienced in chip design and performance evaluation

Multiple publications related to cache technology

Dr. Mehrzad Nejat

Proven track record in cache design and implementation

Extensive industrial and academic experience

Prof. Per Stenström

Decades of track record in cache design

Internationally renowned researcher

2x startup founder

InfiniNode Technologies

Preparing for Next Round Q1-26

Goal with investment:

This investment accelerates us from deep-tech readiness to commercial proof. By month 18, we'll have validated our IP, signed our first customer, and built the foundation for scaling.

Investment needed: 10MSEK

Key activities:

- Core Tech demonstrator ready, validating technology with customer
- 2 new partnership project
- 2 patents filed

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InfiniNode Technologies

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Helping chip designers meet tomorrow’s demands for processing power.