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CoolSem Technologies Media Fact Sheet



media@coolsemtechnologies.com

Fact Sheet

Vision & Mission

Vision

Enable next-generation semiconductor and photonic devices to reach their full potential by eliminating thermal barriers.

Mission

Develop wafer-level thermal management solutions that integrate seamlessly into existing semiconductor supply chains, delivering higher performance and reliability at scale.

The problem we solve

Core problem

Semiconductor performance is increasingly limited by heat.

Existing materials and packaging are reaching their limits in RF, photonics, and computing chips.

Our approach

Proprietary thin-film stack technologies (patent pending) that combine high thermal conductivity with supply chain compatibility.

Founders & Leadership Team



André van Geelen

CEO/CTO

PhD in III-V materials with extensive experience in semiconductors and photonics. Formerly at Philips, NXP, EPCOS, JDSU, and Qualcomm, André had a senior role at ThreeFive Photonics (exit ASIP) and lead Antenna Tuners (exit Qualcomm). Known for his pragmatic and intuitive approach to technology.



Robbert van der Waal

CSO

Seasoned leader in MEMS and micro devices, with roles including General Manager at Xiver MEMS Foundry and Philips Laser Sensors, and Head of Philips MEMS & Micro Devices. Formerly in international product marketing for RF at NXP. Focused on people, business, and strategy.



Kees Steenbergen

COO

Experienced operations and product leader, with senior roles at ThreeFive Photonics (acquired ASIP), GreenPeak, Qorvo, and Pharrowtech. Strong track record in scaling teams and operations, combining analytical rigor with hands-on execution.



Pieter Heersink

CCO

Serial entrepreneur and deep-tech consultant with a strong track record in turning complex technology into real-world impact. Founder & CEO of TicTag, advisor at HighTechXL, and former consultant at IG&H and Capgemini. Naturally connects people, ideas, and opportunities to accelerate innovation.

History

- Founded in 2025
- Located in Eindhoven, The Netherlands, at the High Tech Campus, a world-leading technology hub for semiconductor and photonics development & positioned at the epicenter of the global photonics ecosystem

Current stage

- Pre-seed
- Engineering samples in development to be validated by top-tier customers in RF, power and photonics
- Team 10 FTE

Website

www.coolsemtechnologies.com

LinkedIn

[linkedin.com/company/coolsem-technologies](https://www.linkedin.com/company/coolsem-technologies)

Company video

<https://youtu.be/gx0oZRZVAgM>

Contact

Media contact

media@coolsemtechnologies.com

Tel Pieter Heersink +31 6 1562 4576