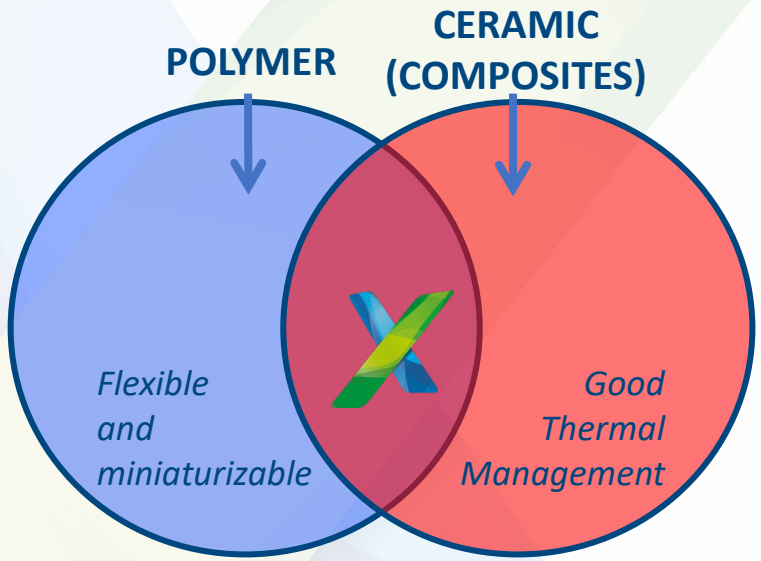
Breakthrough in Thermal Management of Electronics

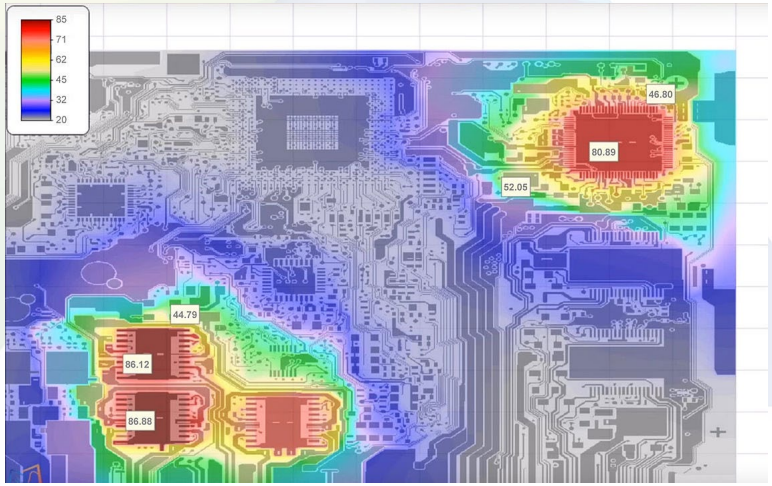
flexiramics

Thermal Management of Electronics



Limitations in heat conductivity of materials used to date prevents the use of more powerful solutions and causes malfunctioning and failure of electronics.

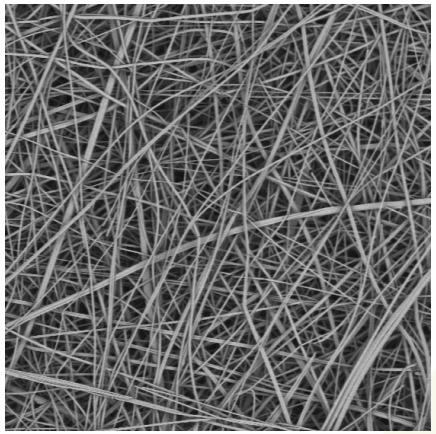
Flexiramics improves
the heat conductivity of substrate materials and enables higher power devices



Flexiramics® Technology

Flexible Ceramics

Based on Microfibers



Can be Mass Produced

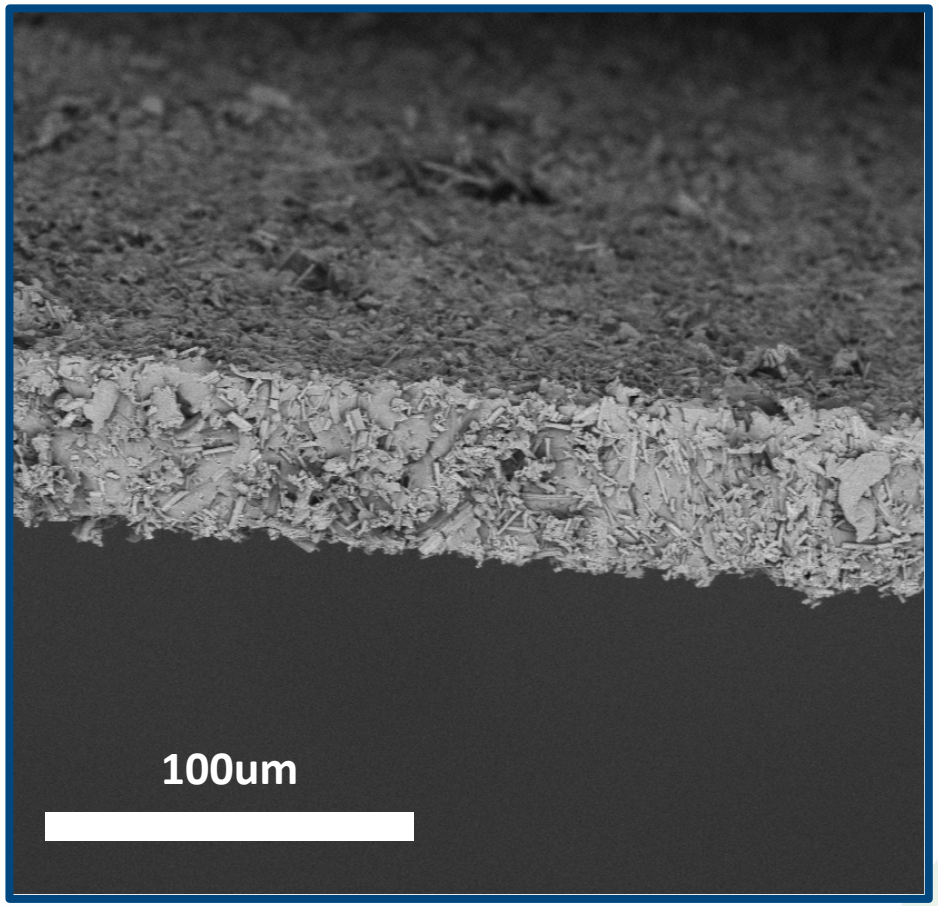
Method Patent on Making Fibers:

Japan (granted)
Korea (granted)
USA (pending)
EU (pending)
China (pending)

Patents in Preparation:

1. Mass production technology
2. Composites for electronics

Thin Film Applications



Flexiramics-E™ is a thin film of 50µm. Thus, it is an ideal substrate for:

- Flex PCB
- Cover Layer

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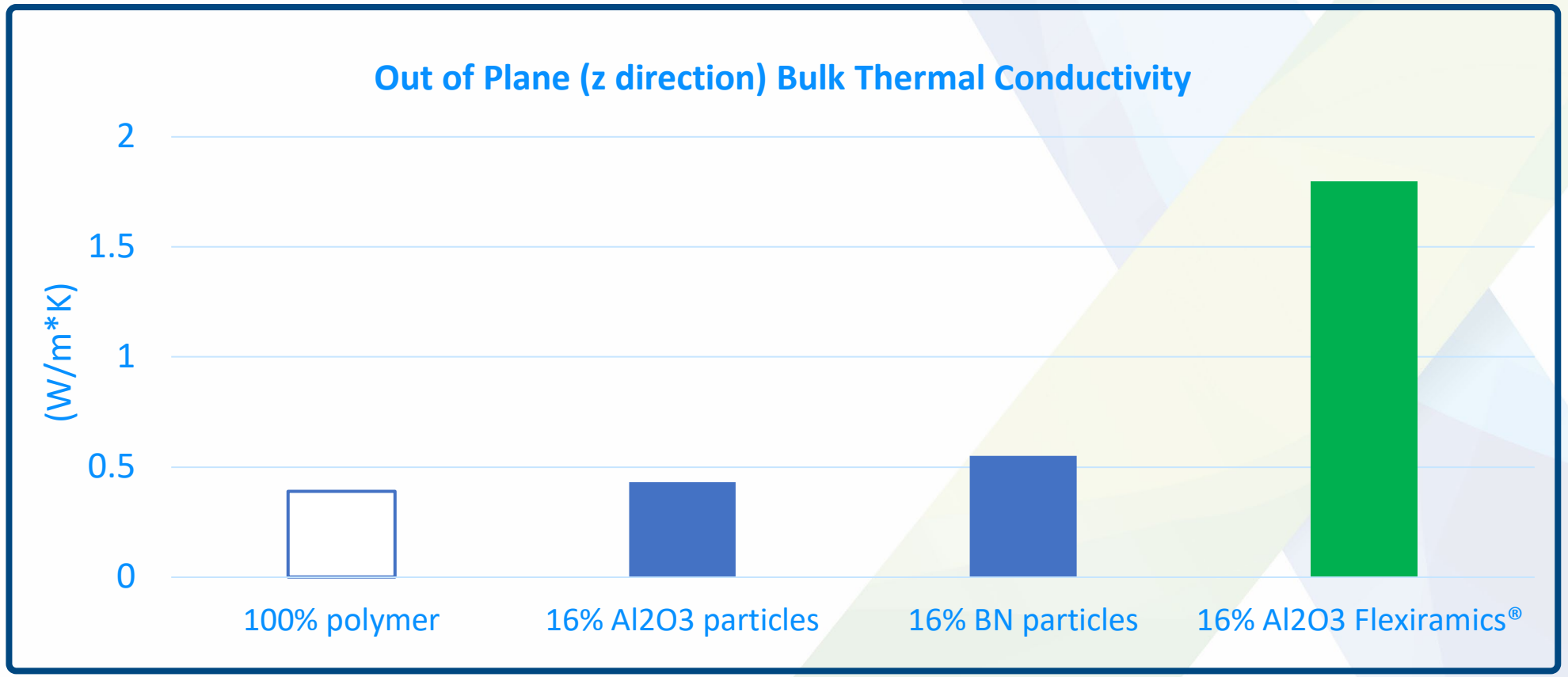
Thermal Properties Breakthrough



More than 2x better than any available alternative!!

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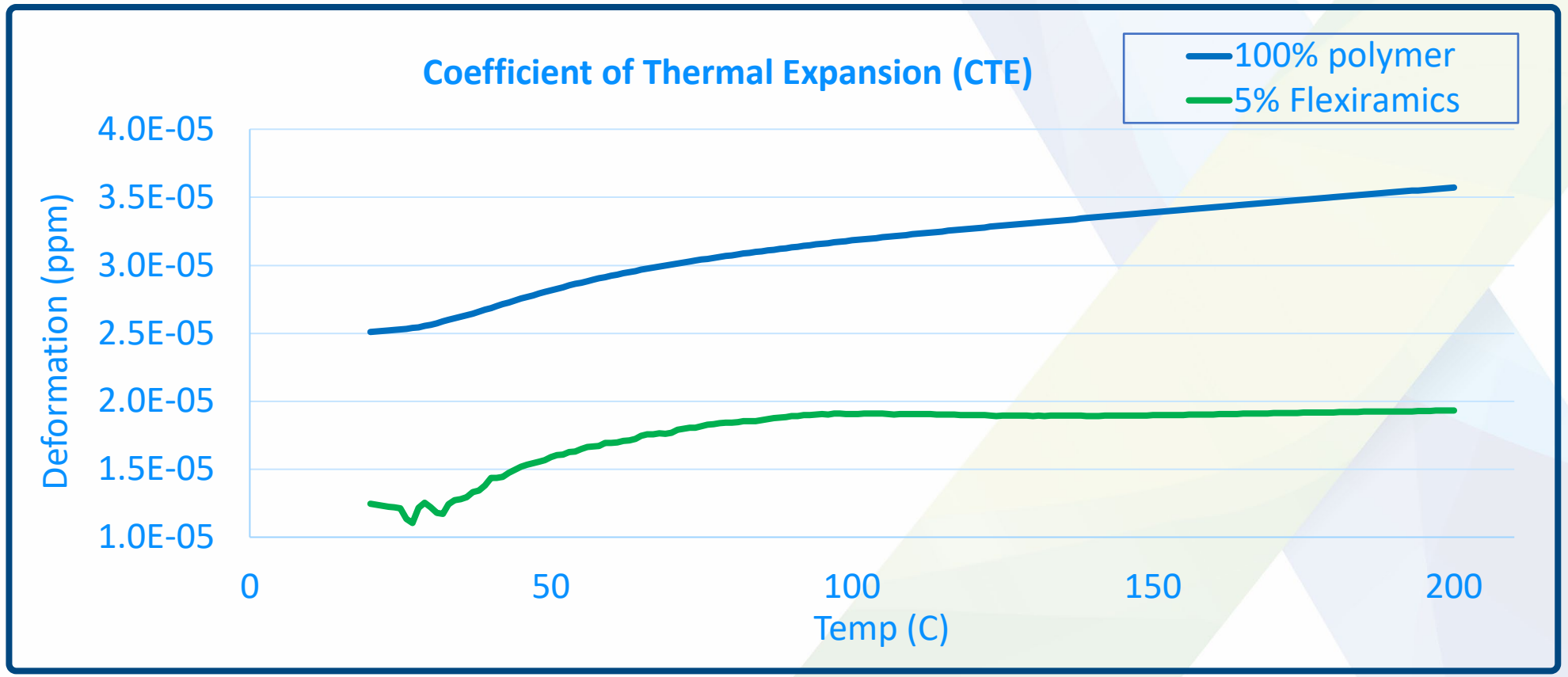
Improved Dimensional Stability



CTE reduction already at low volume %!!!

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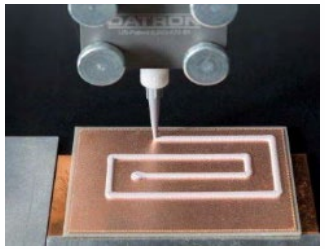
Thermal Interface Materials (TIM)

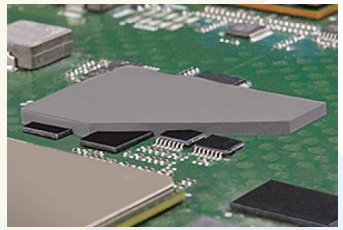
Targets From Numerical Simulations

Grease / Adhesives
(9+ W/mK)



Putty
(9+ W/mK)

Gap Filling Pad
(36+ W/mK)



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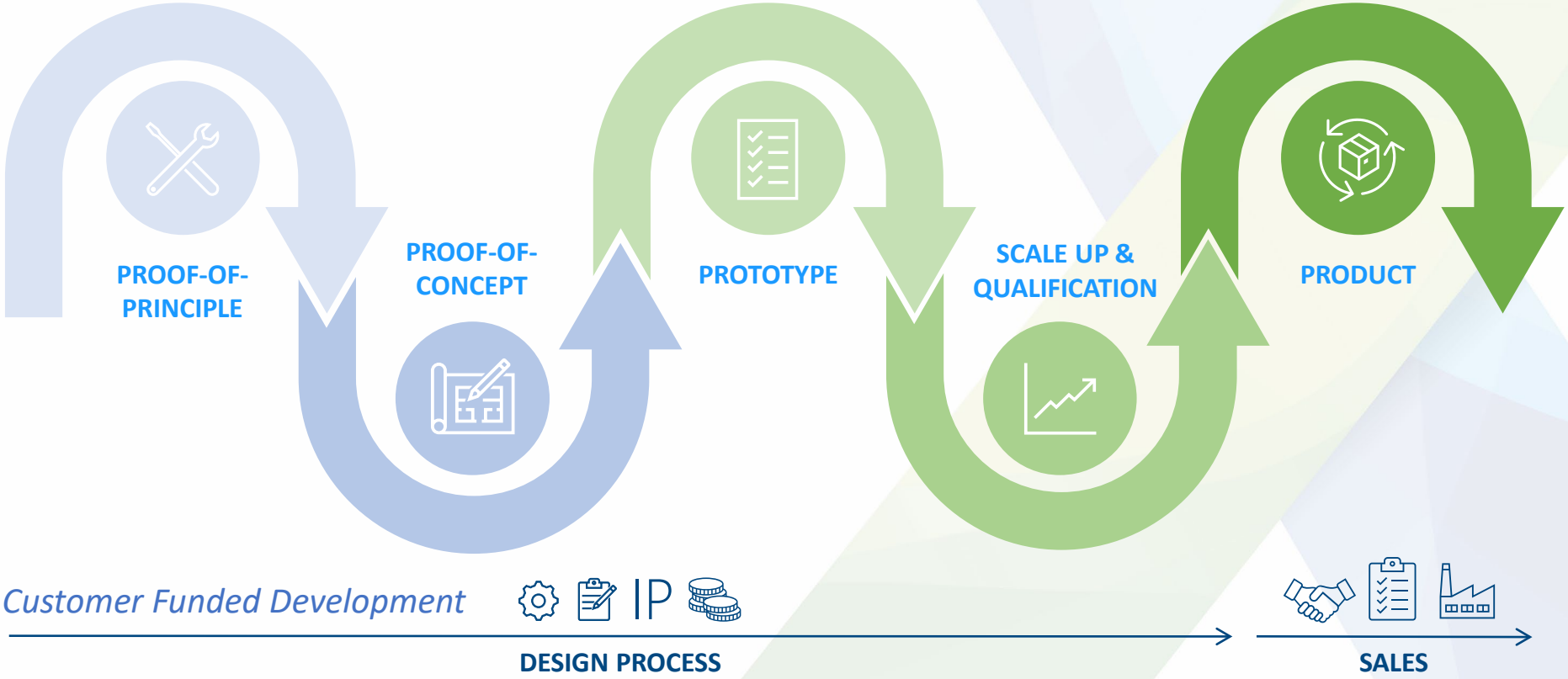
How to Work Together

Flexiramics-E™ with your polymer of choice



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Team

Management

Gerard Cadafalch PhD
CEO/ CTO
Co-Founder

Inventor of Flexiramics.
10 Years' Experience in Material Science

Marco Barsacchi PhD MBA
CCO

30 Years' Experience as Business Developer in Material Businesses

Bas Kerkwijk PhD
COO

20 Years' Experience in Project Management, Operations & Sales

Tanja Wortel LL.B
Business Controller

10 Years' Experience in Business & Process Management

Production Technology

Marcel ten Hove PhD
Senior R&D Engineer

Isabelle Heimans BSc
Project Engineer R&D

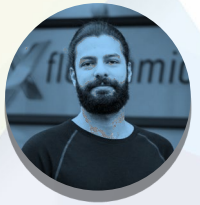
Hendrik Dijkslag
R&D Technician

R&D

Ruta Stankeviciute MSc
Senior Researcher

Rogier Besselink PhD
Senior Researcher

Jordi Winters BSc
Lab Technician



Bruno Pizone MSc
R&D Material Scientist & Engineer

Board Members

Geert Braaksma BSc
15+ Years' Experience as Director and General Manager in the Automotive Industry

Alain le Loux MSc MBA
General Partner of Cottonwood Technology Fund. 20+ Years' Experience in Venture Capital & High-Tech

Dennis Schipper PhD
CEO and co-founder of Demcon, an international engineering firm.

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Follow this link to pick a time slot for a call

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