

Fiven Norge & Soft Funding

Feb. 2022, Pål Runde





The origins of our company can be traced back to 1912, when **Sam Eyde** founded our factory in Eydehavn.

We have been **operating in Norway for almost 110 years**, still working in the entrepreneurial spirit of our founder.



HQ Oslo, Norway



6 production sites



Bond listed at
Nasdaq Nordics



4 office locations

Portfolio company since May 2019



OPENGATE CAPITAL
REALIZING POTENTIAL

€99.2m

Total revenue
2020

Exporting to

49

different countries

Serving

400

customer groups

519

Employees



Fiven in Norway



280

Employees in Norway



47,3M€

Turnover in Norway



2 production locations



HQ of Fiven Group



Lillesand



Eydehavn

FIVEN



Silicon Carbide (SiC) is a synthetic material with outstanding properties

Leadership positions

- Worldwide leader in **ceramics**
- Leader in **Europe**
- Leader in **South America**

SiC powder is used in a large variety of industrial applications



Components for semiconductor production



Components for EVs



Exhaust gas filtration



Fuel cells

Sales by segment (2020)

Worldwide

37%
Specialized

Specialized:

Standard:

Norway

77%
Specialized

High added value products
Commodity products for abrasives, metallurgy and refractories

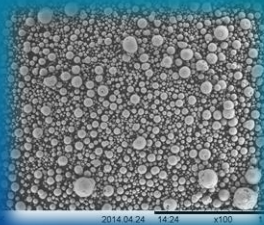
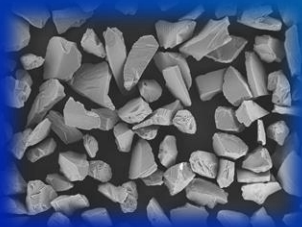


Soft Funding – Three Examples

- 1 3D-Printing of SiC
- 2 Development of super pure SiC (99.999% → Five N)
- 3 Sustainable SiC production → “Furnace Closing Project”

1

3D-Printing of SiC



Industrial Ph.D

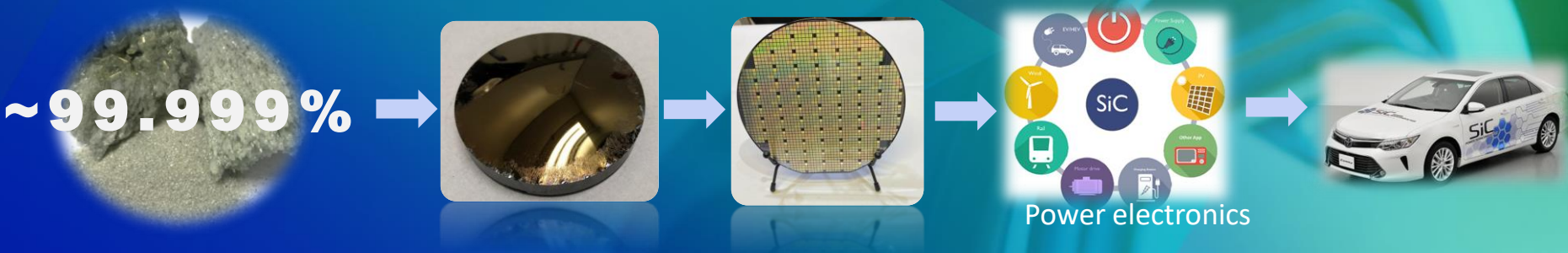
- 3- or 4-year program administrated by NRC
- Cooperation between NTNU and Fiven Norge
- Approx. 450 kNOK / year support
- No application deadlines
- "Easy to apply, easy to get approved"

Skattefunn

- Industrial Ph.D project is part of a larger project supported by Skattefunn



2 Development of super pure SiC



R&D Phase

- Support from RFF – Regionalt Forskningsfond
- Together with ReSiTec, Sintef and international partner



Pilot phase

- Support from Innovation Norway



Full scale demonstration phase next

3 Sustainable SiC-production in Norway *Background*

Can we address

- *Dust issues*
- *PAH emissions*
- *SO₂ and smell*
- *CO₂ emissions*

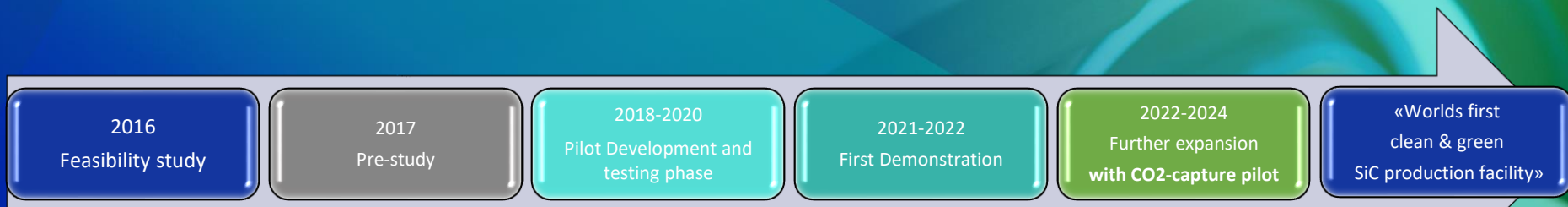
in a single sustainability project ?



Yes, if we move from open furnaces.....

.....to closed furnaces and a gas cleaning facility

3 Sustainable SiC-production

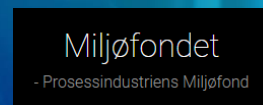


ENOVA

Study related to energy recovery



Full scale pilot furnace program. Design, build and demonstrate



Investment support

Additional support related to

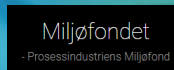
- Biocarbon
- CO₂-capture
- Energy recovery
- Training

Have started working on various funding schemes.....

ENOVA



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**WE SHAPE
INDUSTRIES**