

SpinDrive

Raising
8 – 12 M\$

HTVD
May 8th



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PROBLEM

Electric motors consume 46% of global electricity generation¹



Standard bearings
are inefficient



Bearings cause
70% of failures



Risk of oil
contamination

WE ADDRESS 24 bn\$ SPECIAL BEARING MARKET PROBLEM

¹ de Almeida et al., "Technical and economical considerations on super high-efficiency three-phase motors", 2019

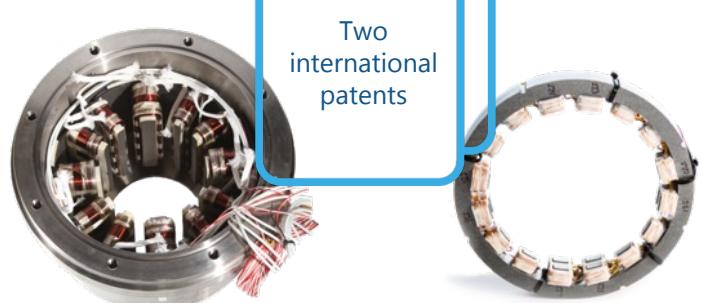
SPINDRIVE SOLUTION

ACTIVE MAGNETIC BEARING SYSTEM

CONTROLLER MAGMA®



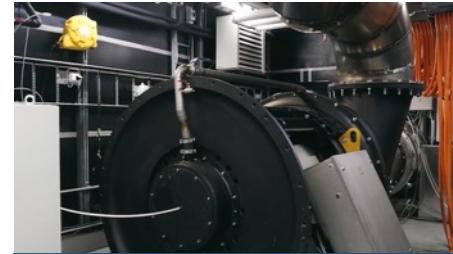
ACTUATORS AND SENSORS



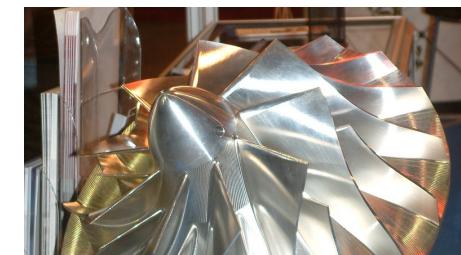
APPLICATION EXAMPLES



Turbocompressors



Turbo blowers



Turbo expanders



Microturbines

ACTIVE MAGNETIC BEARINGS LEVITATE THE ROTOR

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BENEFITS



HIGHER EFFICIENCY

Payback time is 1 year



MAINTENANCE-FREE SYSTEM

80% lower maintenance



OIL-FREE OPERATION

Access to the new markets



CONDITION MONITORING

Reliable OEM unit operation

SPINDRIVE REDUCES CUSTOMERS' LIFECYCLE COSTS **BY 35%**

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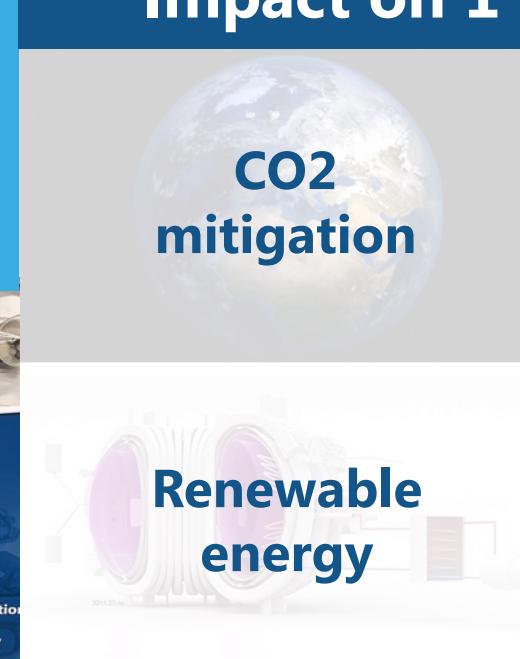
SpinDrive impact goal

Democratize levitation technology to mitigate
above **600 Mt CO2 eq. by 2050**



Impact on 1 billion lives

CO2
mitigation



Contaminant-free
food and water

Mass market
application

SDGs



7 AFFORDABLE AND
CLEAN ENERGY



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



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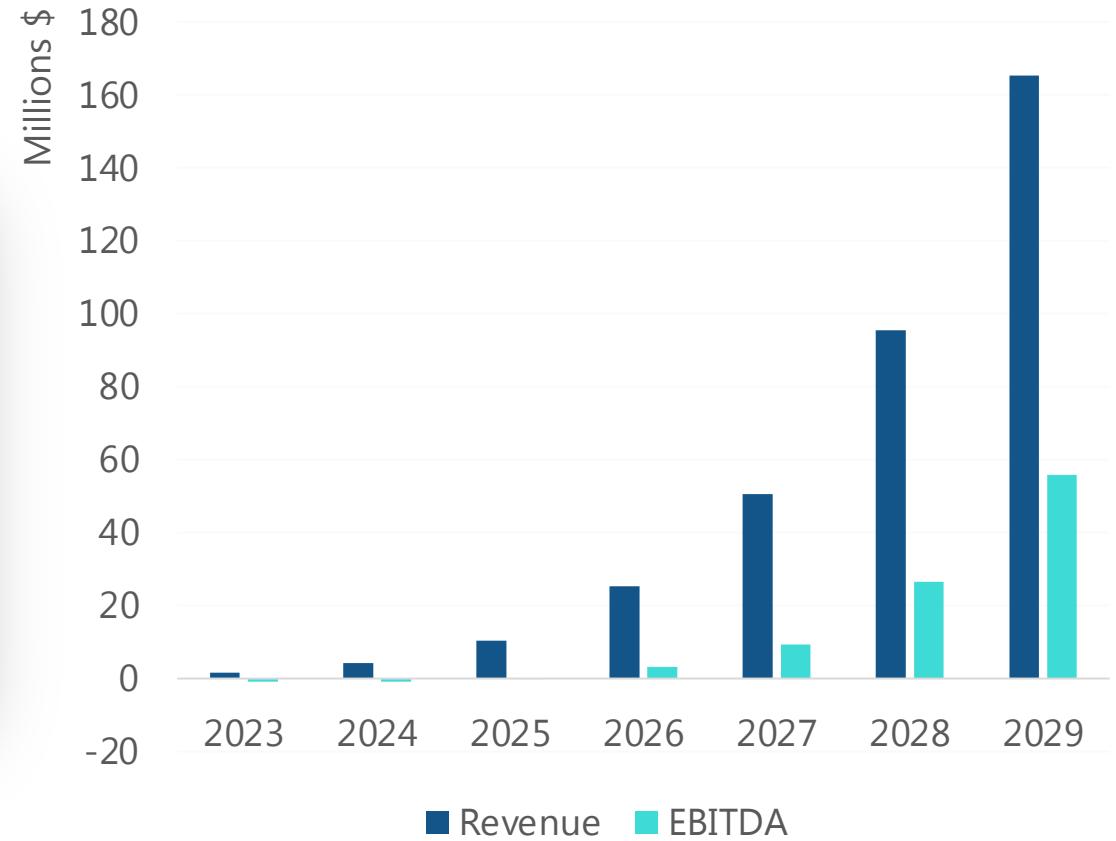
TRACTION

Customer traction

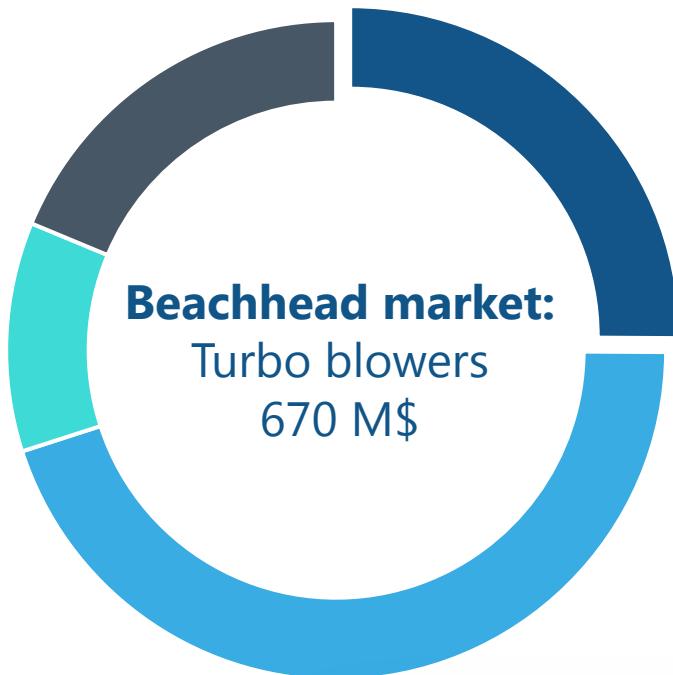
- | SIX MULTIBILLION CUSTOMERS
- | LEADING OEM CUSTOMERS IN EUROPE AND ASIA
- | SERIAL PRODUCT SALES

TOTAL FUNDING INCLUDING GRANTS: 10 M\$

Financials



FIRST TARGET APPLICATION REVENUES



- Turbo blowers and pumps
- Turbocompressors
- Flywheels
- Organic Rankine Cycle units

Total 2.7 bn\$

NEXT MARKETS

 H_2 

Green hydrogen utilization



Fusion power

Electric vehicles



CNC machines

Total >10 bn\$

TEAM

Founders



Dr. Janne Heikkinen, CEO,
Chairman of the Board



Dr. Nikita Uzhegov, COO,
Board Member



Dr. Alexander
Smirnov, CTO



Teemu Sillanpää, CPO



Board



Jukka-Pekka Mäkinen,
Business Advisor



Tommi Äijälä,
Managing Partner



Carsten Boers,
Managing Partner



Observer
Isabel Klein, Associate



SKILLED MANAGEMENT TEAM
WITH EXPERIENCED BOARD

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WE ARE LOOKING FOR 8 – 12 M\$ IN 2025

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