

Presentation on the acquisition of Torqeedo GmbH:

On our way to becoming market leader for innovative drive systems

28 September 2017 Dr Frank Hiller, CEO Dr Margarete Haase, CFO

Fast – Forward looking – Sustainable







Dr.-Ing. Frank Hiller Chairman of the Board of Management

Our E-DEUTZ strategy



- DEUTZ diesel engines are well equipped to face the future: DEUTZ is the first engine manufacturer in the world to be certified for the EU Stage V emissions directive which will apply from 2019
- Innovative diesel engines remain the instrument of choice when the requirement is for high power and high torque (off-highway applications)
- The rapid development of alternative drive systems for automotive use will play an important role in DEUTZ's core segments in future especially for low and mid-range power requirements
- The E-DEUTZ strategy focuses on the development of hybrid and electrified drive systems for off-highway applications (such as construction and agricultural machinery, material handling equipment, and stationary equipment)
- Our electric strategy requires know-how in respect of battery management, electric motors, power electronics, software, and system integration
 - Technology transfer from Torqeedo will speed up the entry into E-technology for off-highway applications

Agenda



Torqeedo acquisition

E-DEUTZ strategy

■ Q&A

Torqeedo transaction

Torqeedo

TorqeeDo

■ DEUTZ is acquiring the global market leader in electric drive systems for boats and a specialist in integrated electric drive systems

Strategic reason

- Torqeedo is an innovative catalyst for the E-DEUTZ strategy
- Bringing hybrid and full-electric drive systems to market more quickly than would be possible for DEUTZ alone
- DEUTZ is aiming to be the market leader in innovative drive systems in its core markets

Funding

- Funding from available cash
- Proceeds from property sale invested in operational business
- Financial strength and ability to pay dividends remain unchanged

Torqeedo – global market leader in electric motors for boats





- No. 1 for market share: More than 70,000 electric drive systems sold
- No. 1 for performance: Highest efficiency, best power to weight ratio, superior performance
- No. 1 in technology: Superior electric and hybrid drive systems for boats
- No.1 in R&D: Portfolio of patents for electric and hybrid drive systems (over 100 patents)
- No. 1 organisation: 130 employees, more experience than any other player in this market
- No. 1 in market presence: Represented in 50+ countries, export share 75 %
- Wide range of system solutions: 1–80 hp / 0.5–59 kW equivalent/in future 160 hp/119 kW equivalent⁽¹⁾



(1) HP-equivalent means the same propulsion power as a petrol outboard motor with this horsepower rating, although the shaft power and input power of the e-outboard may be lower.

Torqeedo – product examples







Travel

- 0.5–1 kW
- <50 V

Segments:

Tenders and sailing dinghies

Advantages:

Lighter, cleaner, quieter, more convenient





Cruise

- 2–10 kW
- <50 V

Segments:

Sailing boats, commercial use

Advantages:

Lighter, cleaner, quieter, more onboard power





Deep Blue

- 25-100 kW
- 400 V

Segments:

Motorboats, ferries, taxis, commercial use

Advantages:

Better TCO, regulation-compliant





- 25–100 kW
- 400 V

Segments:

Luxury yachts, commercial use

Advantages:

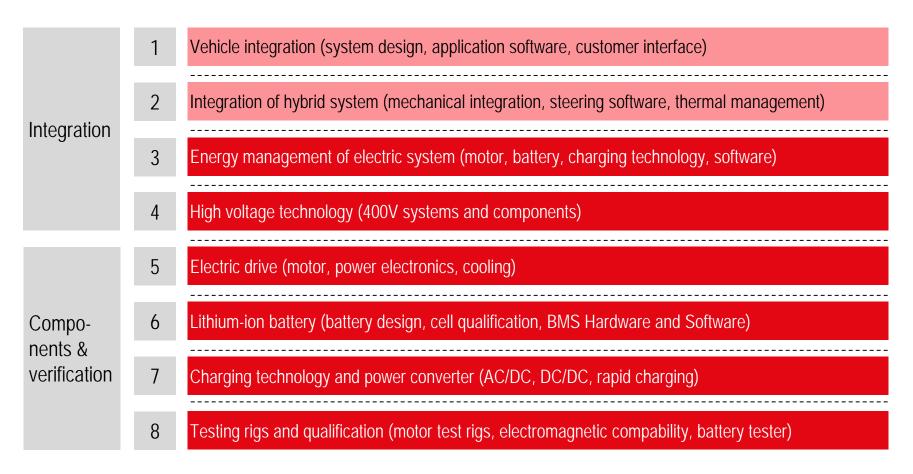
Cleaner, less reliant on generator



Torqeedo – expertise for E-DEUTZ projects







Torqeedo – key data



Key financials

- Revenue of more than €30 million forecast in FY 2017/18⁽¹⁾ planned doubling of revenue within 3 years
- **■** EBIT of minus €5 million forecast for 2017/18⁽¹⁾ break-even in 2 years

Consolidation

- Consolidation of Torqeedo from 1 October 2017
- DEUTZ Group forecast for 2017 remains valid

Potential

- Strong B2C brand for electric boat drives to be retained
- High value-adding and growth potential for alternative boats drive systems (market volume: €4.1 billion; €1.5 billion currently addressable)

(1) Financial year from 1 October 2017 to 30 September 2018



Torqeedo ⇒ DEUTZ

DEUTZ ⇒ Torqeedo

R&D

- Know-how transfer and integration expertise for E-DEUTZ strategy
- Significantly accelerated development process
- Integration of DEUTZ diesel engines into Torqeedo's hybrid range
- Expansion of the component portfolio

Procurement & manufacturing

- Use of the Torqeedo supplier network for e-technology
- Design, integration and systems expertise in hybrid and electric drive systems
- Reduction of procurement and manufacturing costs

Market & Sales

- Hybrid engines and electric motors for the DEUTZ off-highway segment
- Downsizing of combustion engines
- Products brought to the market more quickly

- Use of the global DEUTZ distribution network
- Scaling of Torqueedo's project business

Agenda





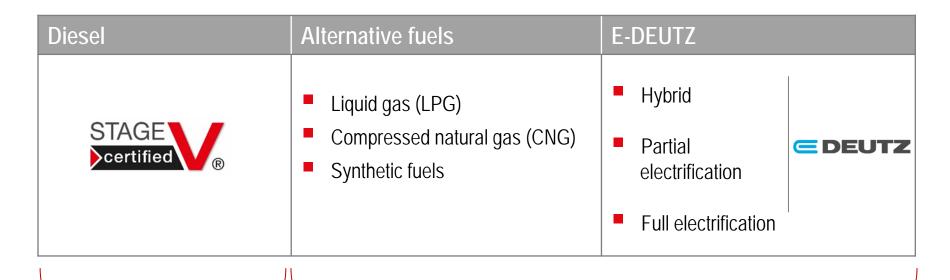
- Torqeedo acquisition
- E-DEUTZ strategy

■ Q&A

E-DEUTZ completes range of innovative drive systems



Innovative drive systems



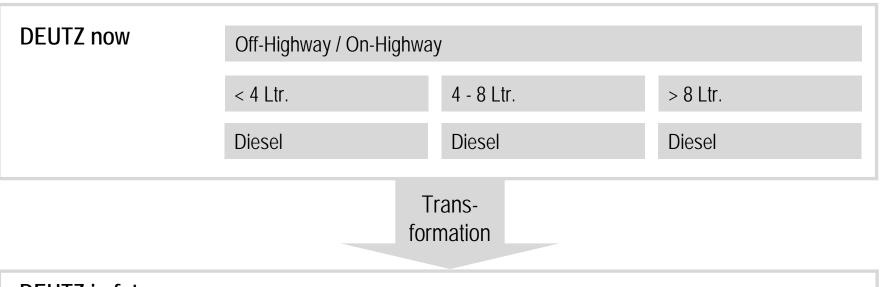
Additional market opportunities in the diesel segment (including outsourcing potential at OEMs)

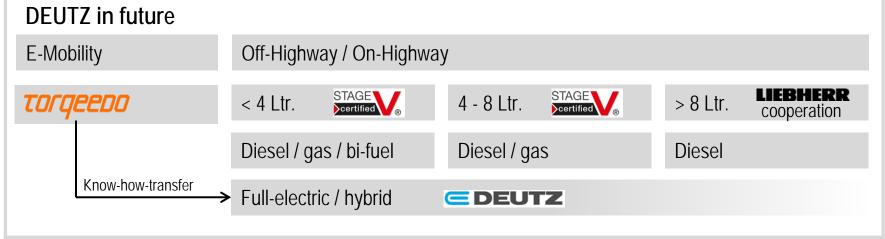
Strong growth opportunities with low CO₂ emissions drive systems

Torquedo speeds up transformation into provider of innovative drive systems



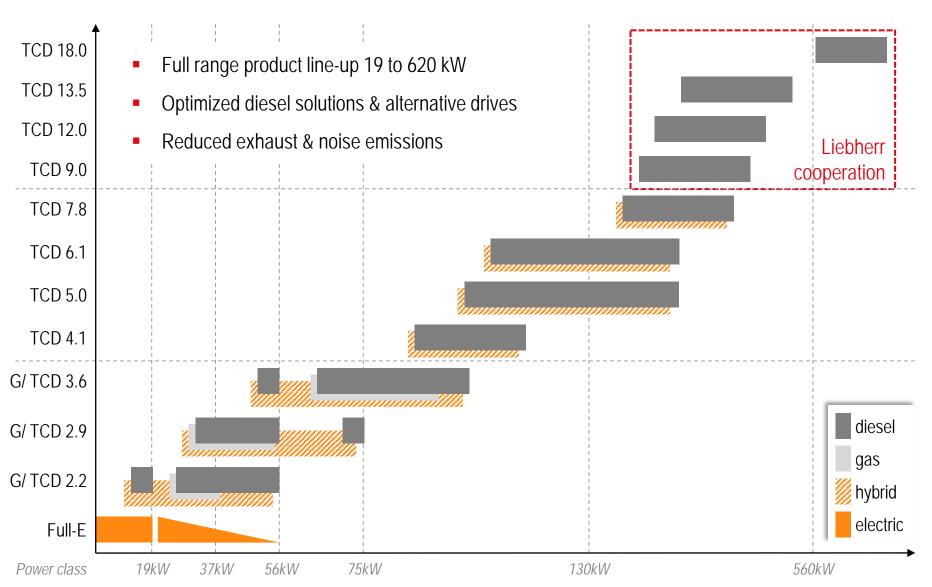
The engine company.







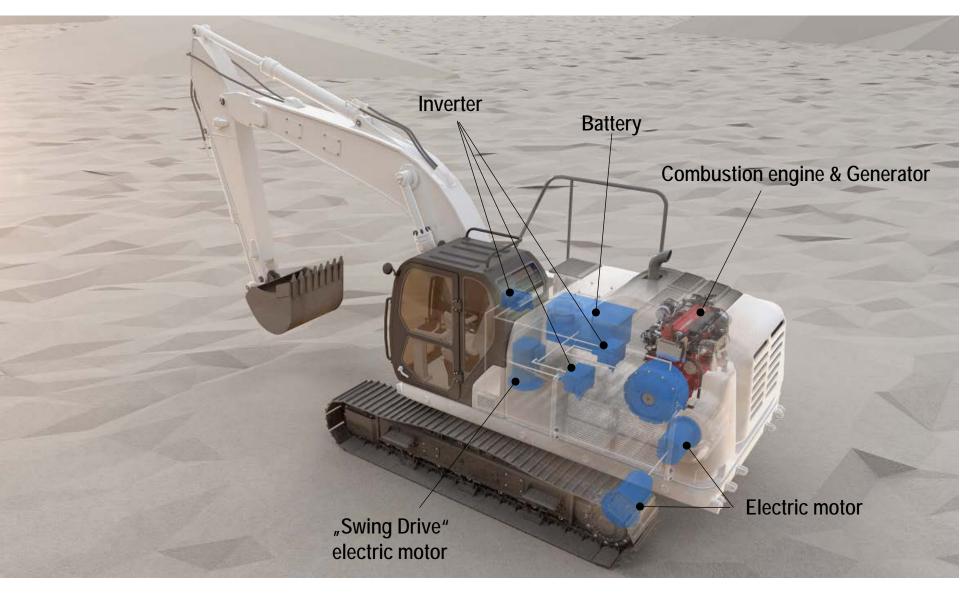




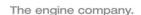
E-DEUTZ strategy – hybrid drive system







E-DEUTZ strategy – know-how-transfer for the core business





Indicative applications

Features

Torqeedo know-how-transfer



- Increased torque
- Engine downsizing (hybrid) – same interfaces
- CO₂ reduction
- TCO reduction (total cost of ownership)

- System architecture E-drive
- Steering competence
- 48 and 400 volt know-how
- Battery expertise lithium-ion technology
- Power electronics and battery management systems expertise
- Accelerated R&D process
- Earlier market launch

E-DEUTZ strategy – summary

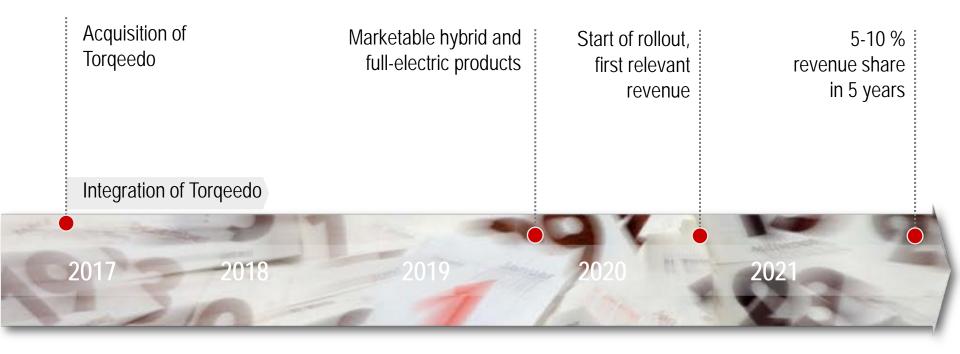




On our way to becoming market leader for innovative drive systems in the off-highway sector

E-DEUTZ strategy – roadmap





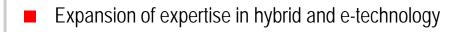
- → Initial capital expenditure of approx. €100 million (incl. acquisition of Torqeedo)
- → 5-10 % revenue share from E-DEUTZ in 5 years
- → EBIT target margin for E-DEUTZ high single-digit / low double-digit percentage range

Torqeedo as catalyst for E-DEUTZ strategy

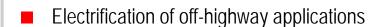




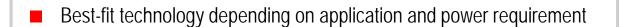














Strategic addition to the range of engines



→ Torqeedo will accelerate the implementation of the E-DEUTZ strategy

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Torqeedo acquisition

■ E-DEUTZ strategy

■ Q&A

Disclaimer

The engine company.



Unless stated otherwise, all the figures given in this presentation refer to continuing operations.

The details given in this document are based on the information available at the time it was prepared. This presents the risk that actual figures may differ from forward-looking statements. Such discrepancies may be caused by changes in political, economic or business conditions, a decrease in the technological lead of DEUTZ's products, changes in competition, the effects of movements in interest rates or exchange rates, the pricing of parts supplied and other risks and uncertainties not identified at the time this document was prepared.

The forward-looking statements made in this document will not be updated.



Thank you very much.

