

TEVA

ZERO EMISSION HEAVY DUTY VEHICLES

19TH JANUARY 2022

alice

Alliance for
Logistics Innovation
through Collaboration
in Europe

TEVVA



CODOGNOTTO



COLLABORATION IS KEY

TEVVA'S MISSION

**WE DO
TECHNOLOGY
BECAUSE IT
MATTERS
AND MAKES A
DIFFERENCE
TO
HUMANITY**



TEVVA'S VISION

**GLOBAL INNOVATORS
ACKNOWLEDGED FOR MOVING
THE WORLD TOWARDS A
BETTER WAY OF
TRANSPORTING EVERYTHING
FOR EVERYONE**

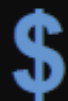


WHO WE ARE

- Founded by Moria & Asher Bennett in 2013 with a development centre and **production facility outside London**, in Tilbury, UK
- **A global innovator in zero emission truck capabilities**, Tevva designs and manufactures medium to heavy duty, electric freight trucks for the urban distribution market
- With vehicles already on the road with UPS since 2019, **Tevva has clocked up c. 400,000km of experience**
- **Range Extension** is a key differentiator – it enables the vehicle to use all of the battery charge everyday, and enables an overall **reduced total cost of ownership**, not to mention peace of mind in getting back to depot
- Tevva believes in the value and benefit to operators of using Hydrogen as a range extender, enabling **a fully zero emission solution** needed by cities implementing **ZE freight zones by 2025**
- Our trucks are hard working, fleet friendly and practical, the battery has minimal impact on payload – Tevva electric trucks are **a better overall solution than diesel** and are built for ease of maintenance
- Tevva is rapidly scaling up and expects 2022 to be characterized by **new partnerships, production milestones and expansion into new geographies**



KEY STRATEGIC PRINCIPLES



TOTAL COST

- Targeted capital expenditure only when market requires it
- Balanced business decisions based on total CPU
- Low-cost flexible manufacturing modules



FLEXIBILITY

- Able to respond to market requirements quickly
- Balance of smart low-cost automation and manual processes
- Distributed and localised manufacturing



ESG PRINCIPLED

- Carbon neutral footprint
- Build where you sell
- Support local market supplier infrastructure



QUALITY

- Quality built in (no faults forward)
- Strict launch governance – batch and hold for early launches
- Low warranty costs

UNIQUE HYDROGEN STRATEGY MAKES HYDROGEN WORKABLE AS A TRUCK FUEL

COLLABORATION WITH PARTNERS ENABLES DELIVERY OF H₂ TO OPERATOR'S DEPOT

USE OF HYDROGEN AS A RANGE EXTENDER (BACK-UP FUEL) OVERCOMES CRITICAL CHALLENGES

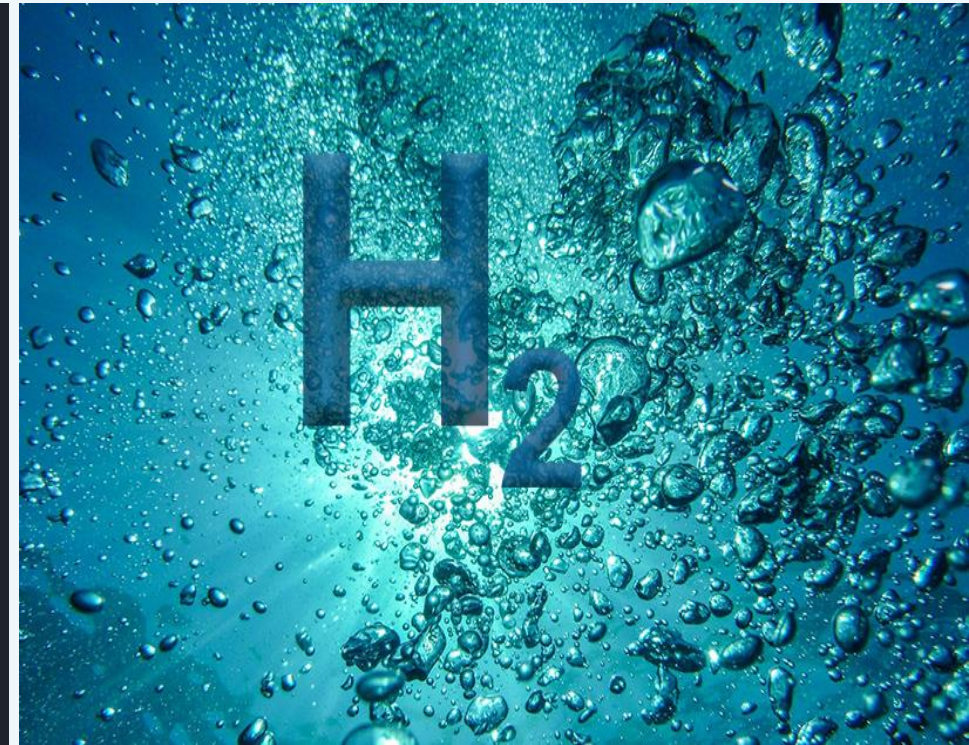
Small amounts used means Green H₂ supply is already adequate

Small amounts used, to backup cheaper grid electricity means lower TCO

Only requires a small, low power fuel cell – dramatically lowering fuel cell capital cost

Back to base urban trucks only need H₂ at depot. Partnerships with several energy companies enable delivery to depot

TEVVA STRATEGY DELIVERS BENEFITS OF ENERGY DENSITY AND FAST REFUELLING WITHOUT THE COMPROMISES





WE LEAD ON TECHNOLOGY

- Mass-market zero emission electric trucks & related technologies
- 7.5-19T GVW trucks as both BEV and range-extended BEV
- Software, batteries and BMS, fuel cell integration, drive motors
- Circa 400,000 km accumulated in-fleet service achieved already

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TRUCK PROPOSAL

THE RIGHT ELECTRIC TRUCK FOR THE RIGHT DUTY CYCLE
PURE ELECTRIC or ELECTRIC WITH HYDROGEN BATTERY

PURE ELECTRIC SOLUTION

For use on shorter trips

. 110Kwh battery.

Up to 200km of autonomy.

Ideal for the city

WITH HYDROGEN BATTERY

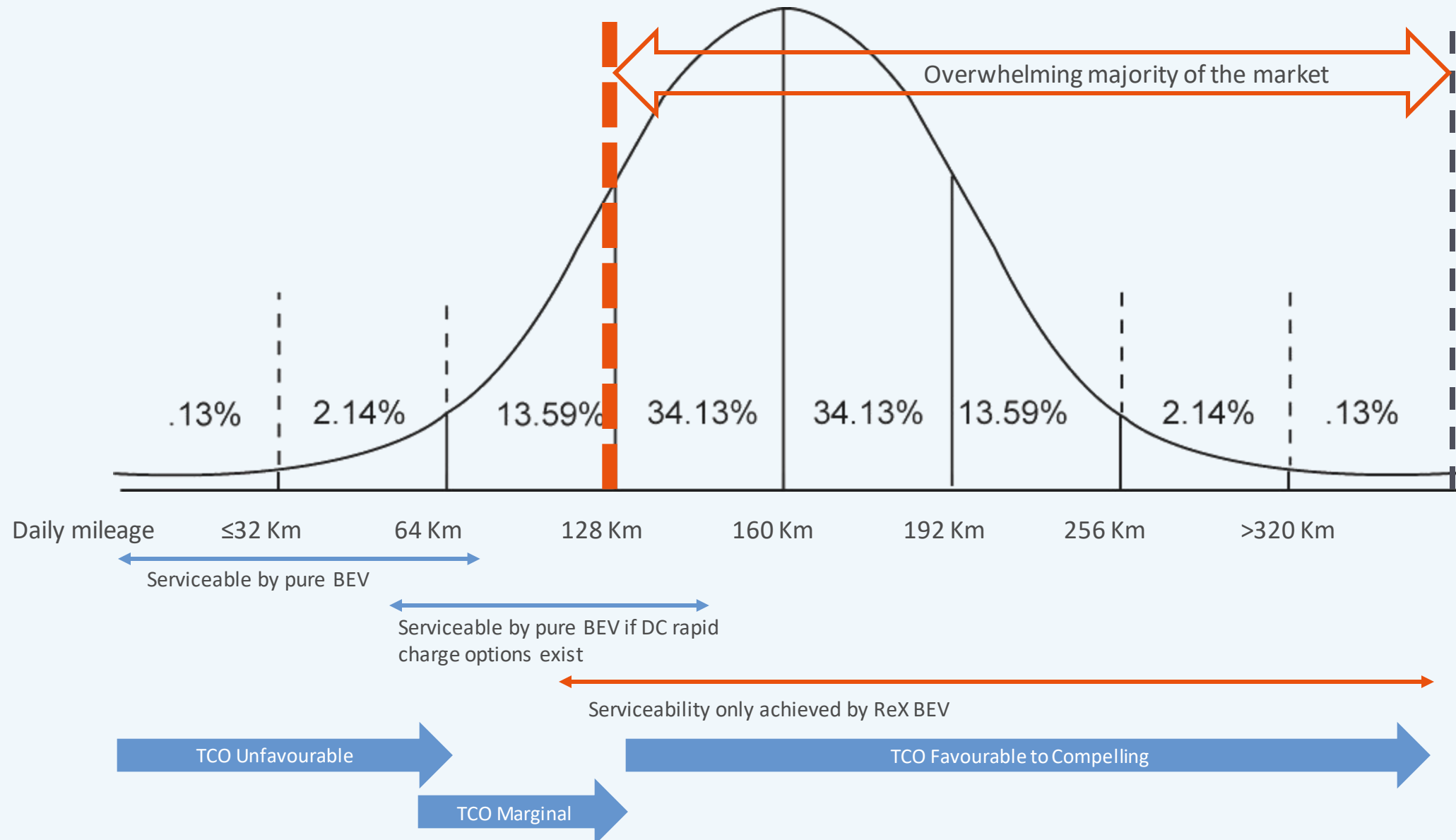


Small hydrogen cell acts as a backup generator for the battery.

Tevva REX vehicles enable the transport of heavier loads over longer distances~ 400 - 450Km



PURE BATTERY VS H₂FC RANGE EXTENDED



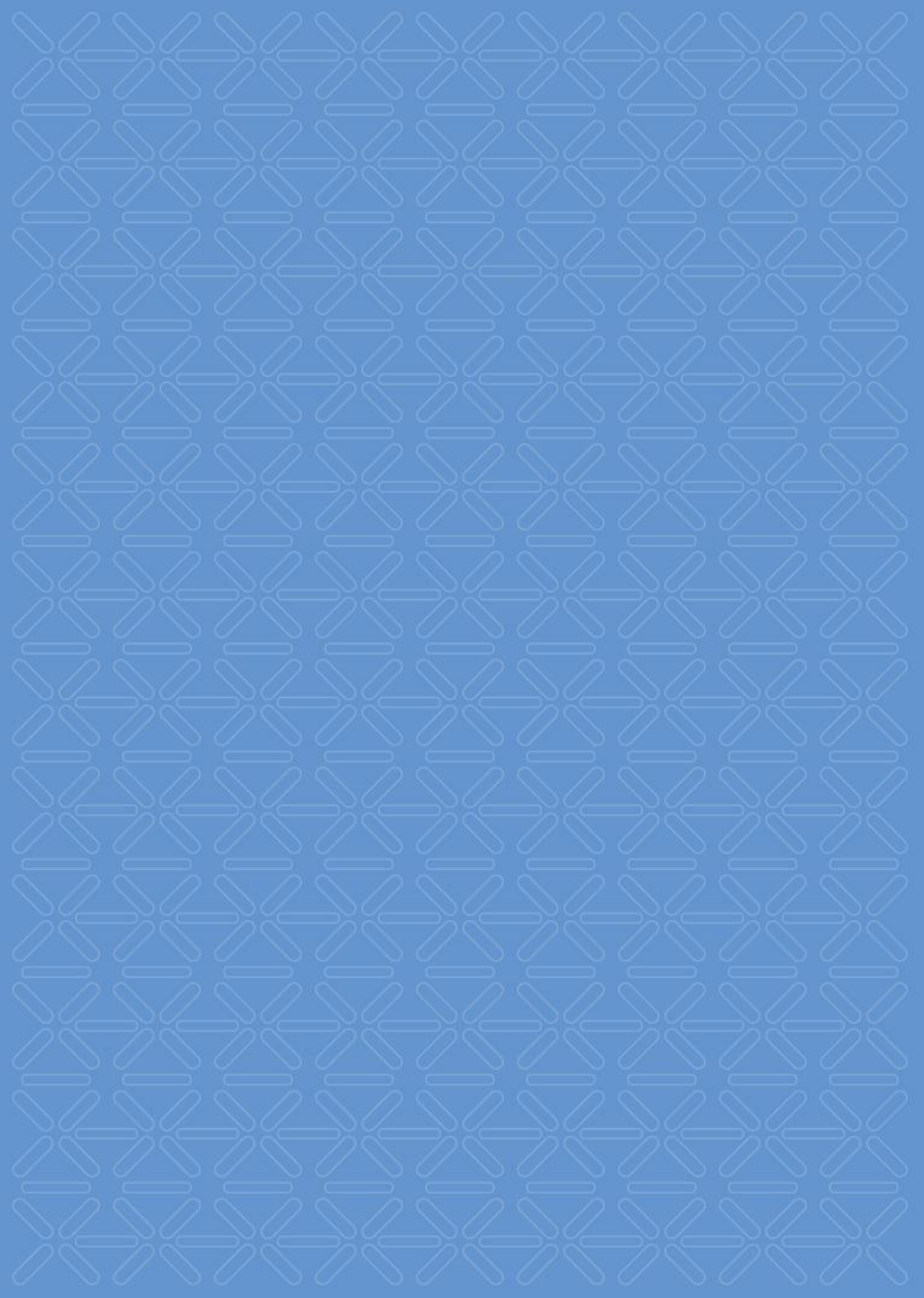
LONDON GATEWAY VEHICLE ASSEMBLY FACILITY MODULAR LAYOUT AND CONFIGURATION

>100,000 SQ FT. | 3,000 UNITS PA CAPACITY | FREEPORT STATUS





TEVVA PRODUCT RANGE



7.5T ELECTRIC

- Range of up to 200km
- Payload - c2.6t
- For Sale - September 22
- First Pre-Production Prototypes Available for Testing - June 22





7.5T ELECTRIC WITH HYDROGEN FUEL CELL

- Range of up to 450km
- Payload 2.6t
- For Sale - March 2023
- First pre-production prototypes. Available for testing - October 2022

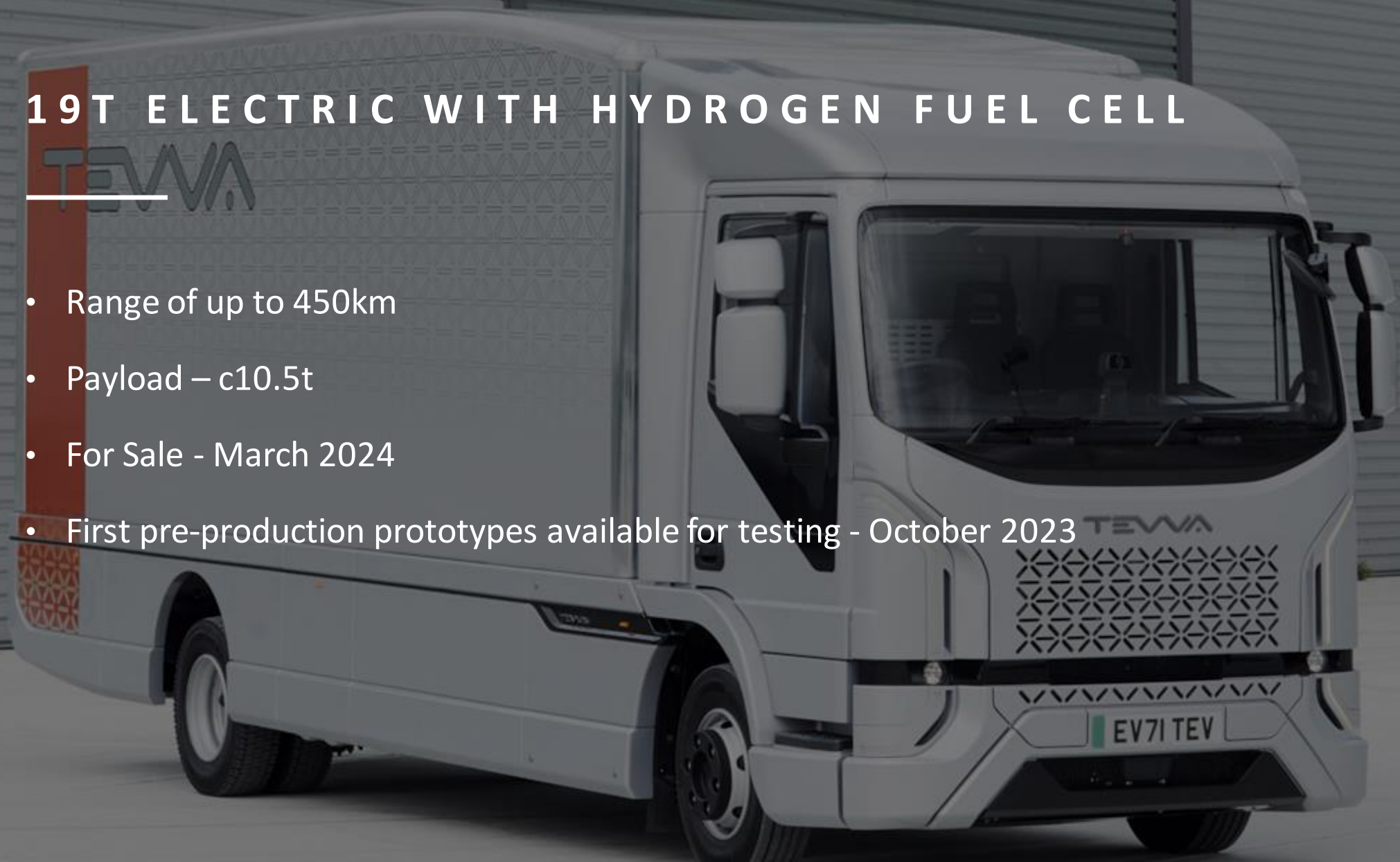
12T ELECTRIC WITH HYDROGEN FUEL CELL

- Range of up to 450km
- Payload – c6.5t
- For Sale - September 2023
- First pre-production prototypes available for testing - June 2023



19T ELECTRIC WITH HYDROGEN FUEL CELL

- Range of up to 450km
- Payload – c10.5t
- For Sale - March 2024
- First pre-production prototypes available for testing - October 2023





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THANK YOU

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www.tevva.com