

### ENABLING THE EV (R) EVOLUTION

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1st



UAE is the first MENA country with a **carbon neutral** commitment

Source: u.ae

Dubai **top five** global commercial maritime



shipping

hubs

Top 5

Source: thenationalnev

UAE is committed to **net zero** by

2050

**Source: WEF** 

The Transport & **Logistics** sector,

contributes to 10% GDP in

the **MENA** region

10%

Source: moec.gov.ae

Mobility

**Autonomous** 

Digitalization

Electrification



MADE

UAE to boost **electric** and

hybrid vehicle

in its fleet

by **13%** 

until 2030.

13%

Source: zawya





# ANCHORING ALTERNATIVE ENERGY SOLUTIONS

IN OUR SUSTAINABILITY ROADMAP





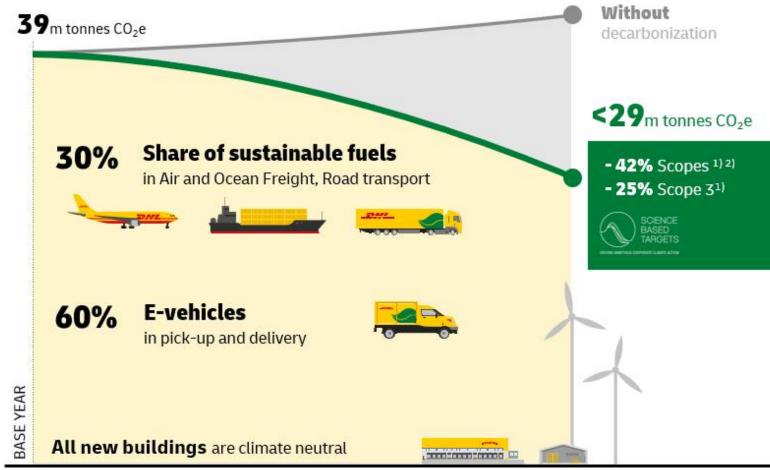


BY 2030

REDUCE GHG
EMISSIONS
TO <29 MILLION
TONS WITH €7
BILLION
INVESTMENT



### We commit to invest €7 billion to reduce our Carbon Footprint by 2023

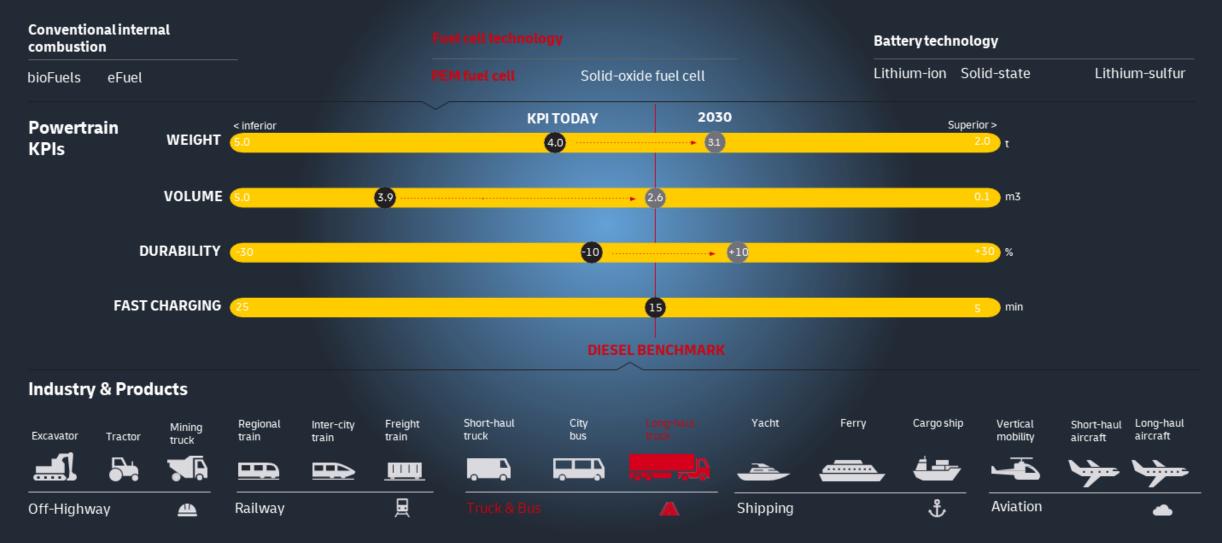


2021 2030

2) Logistics-related GHG categories; 3) (Upstream fuel and energy); 4) (Upstream transport and distribution); 6; (Business travel)



## THE EVOLUTION FROM ICE TO ALTERNATE FUEL SOURCES IS WELL UNDERWAY



Relevant technical parameters of a fuel cell powertrain in long-haul trucks will match those of a conventional diesel truck by 2030 **Source**: Porsche Consulting

FOR INTERNAL USE

THE EVOLUTION FROM ICE TO ALTERNATE
FUEL
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UNDERWAY







# CIRCULAR AND SUSTAINABLE EV LOGISTICS SOLUTIONS FROM CRADLE-TO-CRADLE



**Enabling New Mobility** 









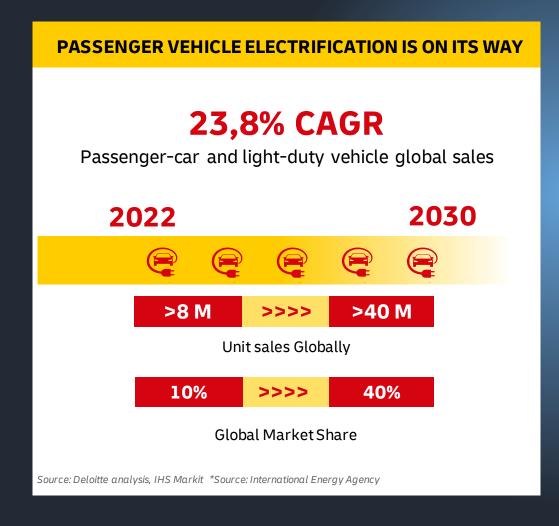
# ACCELERATING AUTO-MOBILITY SHIFT WITH END-TO-END

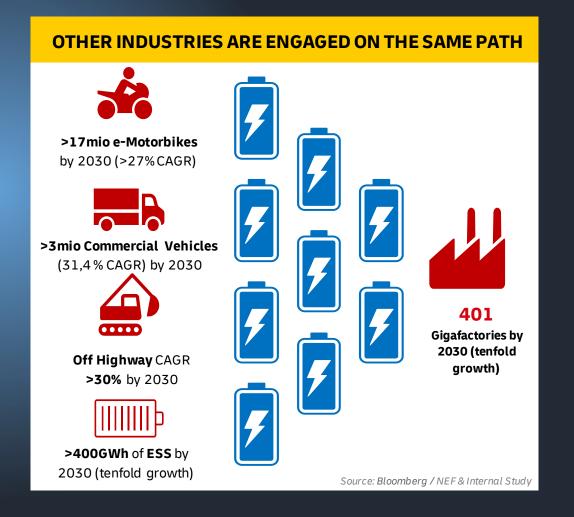
**EV LOGISTICS SOLUTIONS** 





## ELECTRIFICATION TOWARDS EXPONENTIAL GROWTH BEYOND PASSENGER VEHICLES







## THE NEW EV ECOSYSTEM IS TRANSFORMING THE ENTIRE VALUE CHAIN

#### **Powertrain parts**

Heavier & fewer components



#### Electric components & sensors

Additional, multi-industry & multi-sourcing electric components

#### Charging Infrastructure

Easy to handle but to be instal in various places



#### **Batteries**

Highly regulated, DG, high weight

### B2C e-Commerce & Fleet sales

Rise of eCommerce with EV industry



**Electric Vehicles** 



### Vehicle parts & accessories

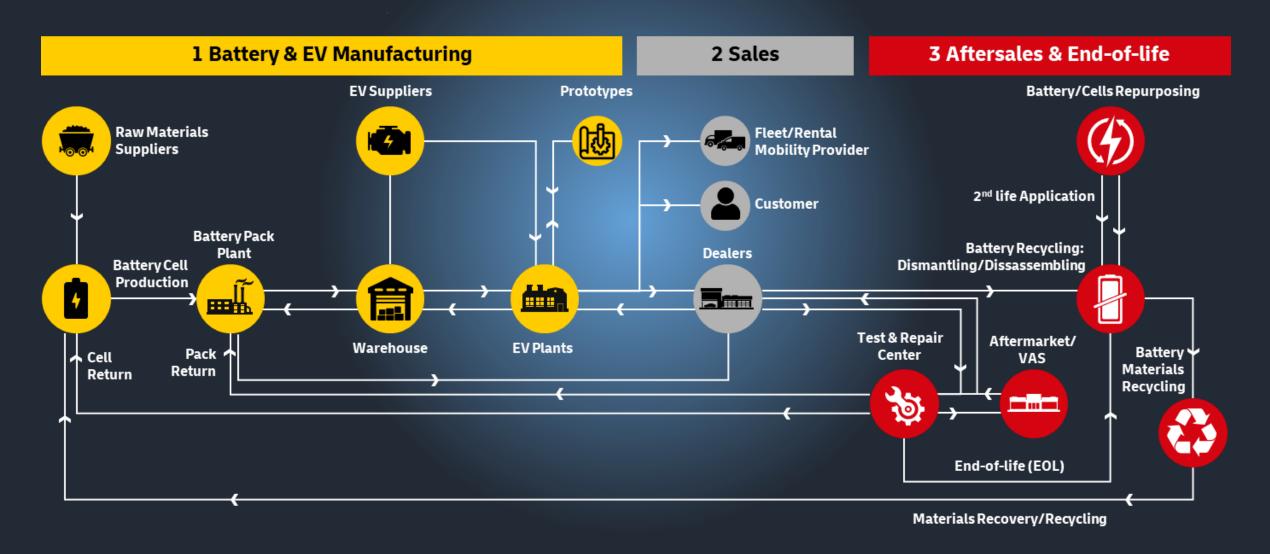
Less parts with higher value & smaller weight

Resist higher weight, lower friction, better grip, lower noise, more robust

**EV Tires** 



## EV VALUE CHAIN COMPLIANT LOGISTICS NEEDS TO COPE WITH ADDITIONAL COMPLEXITY OF FLOWS





## AUTO-MOBILITY TIER SUPPLIERS SUPPLY CHAINS ARE HEAVILY IMPACTED BY THE EV REVOLUTION



M&A & divestitures to refocus core business

Change in the product mix towards more electronics















## OEMS MUST MANAGE EV BATTERIES FROM MANUFACTURING TO RECYCLING



Middle East EV market to grow at a 28.1% CAGR from 2023 to 2030

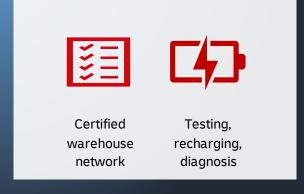
Source: databridgemarketresearch

EV Battery market to grow at a 15% CAGR from 2023 to 2028
Source: mordorintelligence













#### **ENERGY COMPANIES HAVE TO REINVENT THEMSELVES**





1000 Green Stations to be installed in Dubai by 2025

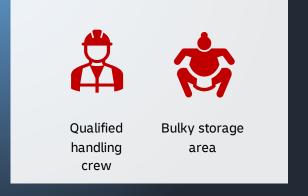
Maintenance and availability of stations as a business imperative

Source: mediaoffice.ae















#### INNOVATION AT THE HEART OF BATTERY LOGISTICS



Full Supply Chain transparency is one the success factors for a resilient EV battery supply chain

Innovations in EV
logistics improve the
efficiency &
reliability of the
supply chain













# EV CENTERS OF EXCELLENCE: SEAMLESS & INTEGRATED SOLUTIONS MANAGED BY ONE TEAM OF INDUSTRY EXPERTS

- An EV COE is a physical center of knowledge and know-how concentrating existing EV logistics expertise, capability and trained resources to sustain worldclass performance and value
- An EV COE is part of a global network delivering added value





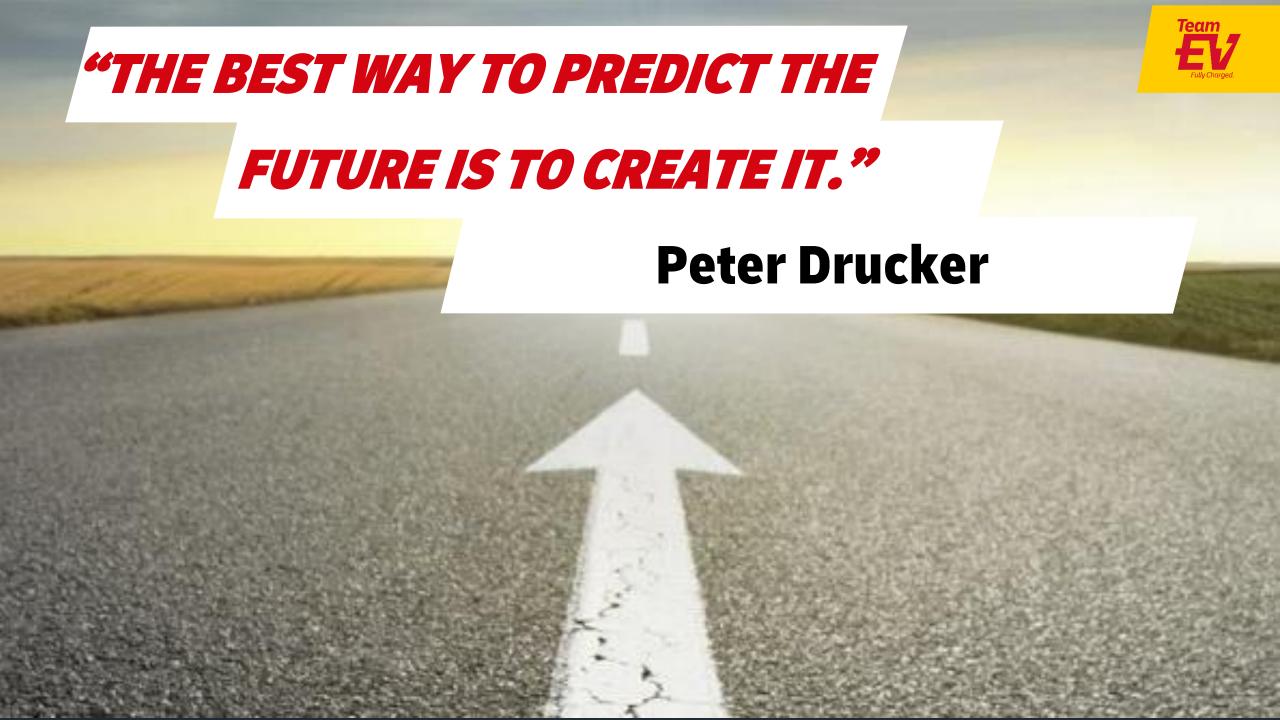


# OUR CERTIFIED MULTI-USER EV CENTRE OF EXCELLENCE IN DUBAI ENABLES MODULAR EV LOGISTICS SOLUTIONS TO DRIVE SUSTAINABLE AND CIRCULAR MOBILITY











### THANKYOU

VISIT OUR EV **EXTERNAL PAGE** 



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