



# Third Webinar to the EVTV Live series

- 1. Deep diving into the EV (R)evolution
- 2. Understand what **Aftermarket challenges** will the Electric Vehicles create
- Highlight the key implications for the MEA Region its specific hurdles
- 4. Introduce EV Logistics **MEA Center of Excellence** solution to overcome challenges in the Region

#### YOUR EV LOGISTICS EXPERTS TODAY



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Global EV Logistics Solution Development Head



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VP Global EV Logistics Business & Commercial Development



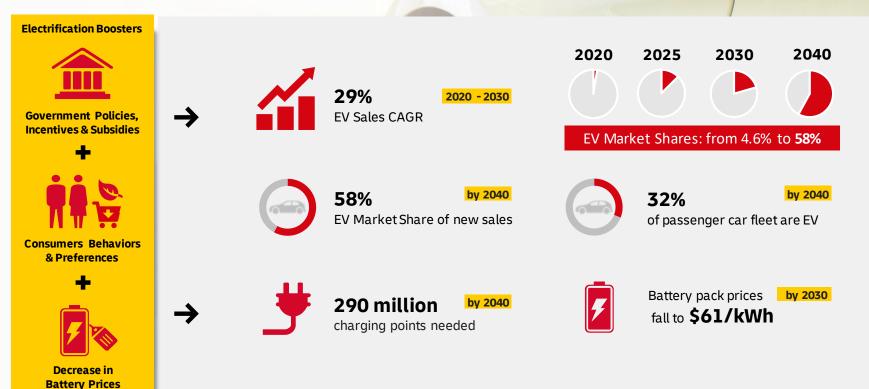
# **GLOBAL EV MARKET DEVELOPMENT**





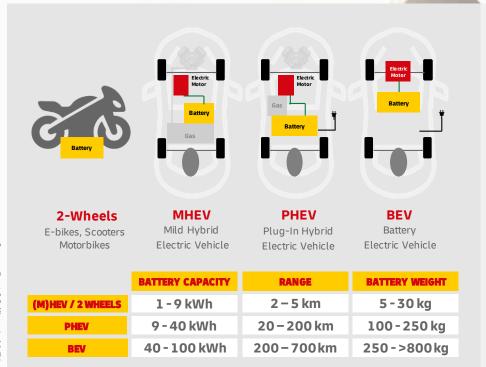
# Decarbonization is at the top of the agenda with sustainability driving new strategies and respective vehicle portfolios





## EV logistics requirements vary according to the electric vehicle type and goes beyond the electrification of passenger vehicles





### 2 wheelers & busses ahead in the electrification journey

2/3 Wheelers to reach

49% by 2030

& 98% by 2050



**Buses** to reach 63% by 2030 & 91% by 2050



Cars to reach 34% by 2030 & 88% by 2050



LCVs to reach 31% by 2030 & 78% by 2050

MCVs/HCVs to reach 12% by 2030



& **48%** by **2050** 

#### **New sub-segments** ecosystem



Invertor / E-Motor



Thermal Management



**FV Tires** 



Smart Cars

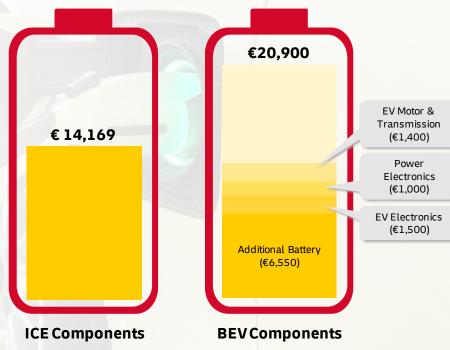


Charging Management



## **Deep Dive in the Electric Vehicles Aftermarket Transformation**





Source: Citi GPS: Global Perspectives & Solutions, 2021



## **MEA REGION EV MARKET**

**SNAPSHOT & IMPLICATIONS** 

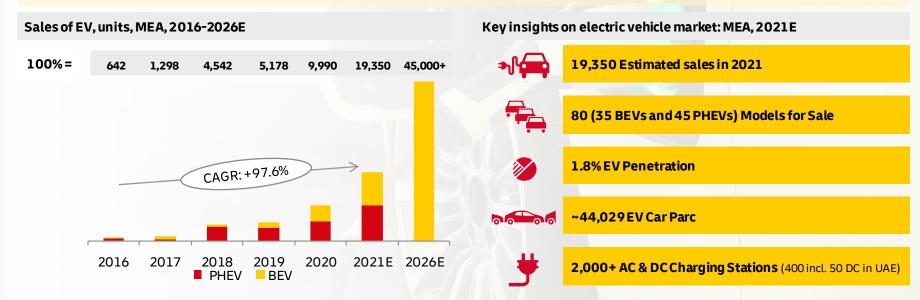




# MEA: A Key EV Market Importing Vehicles & related parts from all over the world



- EVs are gaining popularity in the Middle East
- Customers & investors are projected to continue to impact the sector



Note: "Parc" is a European term for all registered vehicles within a defined geographic region; Source: Frost & Sullivan Analysis & DHL Forecast



## EV batteries circular economy challenges

### **Exhibit 1:** Three options for EV batteries at the end of their first life



Source: BCG analysis.

## **MEA: A Key EV Market Importing Vehicles** & related parts from all over the world



## MEA Traditional Auto-Mobility Market



- Standard aftersales network is managed through local & international stored parts accessible by different modes of transport
- Auto-Mobility aftermarket pattern is mostly based on a local part scrap model

## **EV Entering in the MEA Ecosystem**



- EV Batteries have highly regulated transportation: service speed vs service consistency
- **Circular Economy** is key for EV batteries business: repairing, recycling, converting



There is an urgent need for a REVOLUTIONARY EV Battery Solution...





## DHL CENTER OF EXCELLENCE

THE SOLUTION TO EV REGIONAL CHALLENGES













**Pioneering EV battery warehouse & transport solutions** in a complex, highly regulated **aftermarket sector**, without upfront investment

## **Dubai EV Centre of Excellence supporting** a fully integrated end-to-end aftermarket logistic solutions



**EV Logistics Centre of Excellence Dubai** 



Operation



Global Inbound Replenishment to **Dubai from suppliers** 





Warehousing and Value-added services in EV Logistics hub Dubai



Handling of outbound deliveries to regional dealers



**Reverse Solution & Recycling** 

 Fully integrated inbound shipmentflow Value

 Ownership of import processes for all EV related Aftermarket services

- Certified location following regional compliance & safety standards
- Qualified DHL team managing all warehousing activities incl. EV related value added
- Consistent & integrated sustainable transport network
- Compliant transportation networks to provide optimized solutions
- Reverse solution enabling a circular logistics & insuring a compliant management
- Engagement to support sustainable second / end of life solutions





### **EV Ecosystem here to grow**



- EVs are gaining popularity in the Middle East pushed by Customers & investors
- Charging Stations development will enable the local growth

#### **EVs need Specific Solutions**



- Understanding evolving regulations
- Ensuring compliance & safety
- Meeting customer services standards
- **Optimizing** the EV supply chain
- Scaling & adapting regional operations
- Enabling sustainability

#### **DHL EV Innovative Solution**



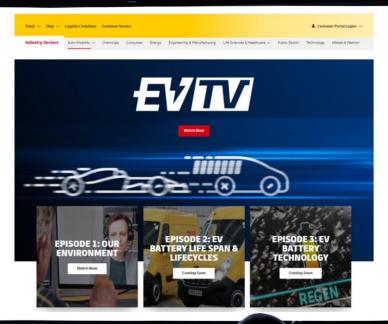
EV Logistics Centre of Excellence Dubai enabling:

- Inbound Replenishment to Dubai
- Warehousing & Value-added services
- Outbound deliveries to regional dealers
- Reverse Solution & Recycling



## **The Show About All Things EV**

- Episode 3 out now
- A new episode released every month
- Watch the video show on dhl.com/evtv & Youtube
- Listen to the podcast on Spotify and co.







## **THANK YOU**

CONTACT YOUR DHL EV LOGISTICS EXPERT TEAM AT TEAMEV@CSI.DHL.COM



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