



GLOBAL EV MARKET AT A GLANCE

Now on the world roads are:

20 mln.

1.3 mln.

commercial EVs including buses, delivery vans, and trucks

280 mln.

electric mopeds, scooters, motorcycles, and three-wheelers

The market is set to grow significantly in upcoming decade

Bloomberg forecasted that:

- By 2025 there will be 77 mln. passenger EVs on the road, representing 6% of the total cars fleet.
- The fleet of passenger electric vehicles will reach approx. 470-610 mln. in 2035.
- Electric vehicles will represent a aprox. 9 TLN. USD MARKET opportunity between today and 2030, and approx. 53 tln. USD between today and 2050.

European* EV market snapshot

(*EU, U.K., Switzerland, Norway)

The European EV market is projected to reach USD 1,951.5 bln. by 2029 from an estimated USD 1476 bln. in 2022.

During 11 months of 2022 2.2 mln. of new passenger EVs were sold in Europe which constitute about 22% of the total passenger cars sales volume:

- · Battery Electric Vehicles about 1.3 mln
- Plug-in Hybrid Electric Vehicles about 0.9 mln

During 12 months of 2021 2.27 mln. of new passenger EVs were sold in Europe which constitute about 19% of the total passenger cars sales volume.

Jkraine, given its location, has potential to become a hub for automotive producers in their production and supply chains to meet the demand of European market



WHY UKRAINE?

Ukraine has a set of necessary prerequisites in place for location of EV production and to fulfiling European demand

Consumer market in reach Approx.1 bin, ppl consumer market

can be reached within 4 ths. km.

Critical raw materials

Industry critical raw materials (lithium, cobalt, nickel, etc.) are available in Ukraine

Skilled and competitive labor force

- Ukraine is:
- 21st among 102 in the Coursera Global Skills Index 2022
- 39th out of 133 by Global Knowledge skills in the INSEAD Global Talent Competitiveness Index
- 90+ global players have located R&D facilities in Ukraine, which can be a further driver for innovations in E-transport industry

rnewswire.com

Ukraine's post war recovery provides for transport system electrification and significant internal demand



USD 35.5 bln =

estimated value of the destroyed infrastructure

USD 2.7 bln. -

estimated value of the damages to vehicles

- The National Transport Strategy states the plan to increase the share of the
- National Nuclear Energy Generating Company «Energoatom» plans to create a network of 120 fast charging stations in regional centers and on the main highways of the country by mil of 2024.

3.000+

7.700+

6 E-Mobility service providers

15+ charging station operators

stations

EV charging points / connector

ground for the e-transport market development having

Ukraine has already proved itself as an efficient manufacturing partner for the world automotive players

Main auto parts producers working in Ukraine...

LEONI **⊞BOSCH**

SUNITOMO ELECTRIC W BADER . APTIV.

PRETTL Meyans

...for world-known brands of automakers...







...supplemented by of Automotive IT solutions suppliers present

softserve GlobalLogic

CIKLUM DataArt eleks'

Jkrainelnvest

Investment incentives are available in Ukraine



- CIT exemption programs
 VAT and customs duties exemptions for import of new equipment
- full or partial interest rates compensation on loans
- financing for arrangement of industrial parks



INVESTMENT OPPORTUNITIES



Investment opportunities in Ukraine



EV batteries manufacturing

EV batteries repurposing & recycling



Potential partnerships in manufacturing between local Ukrainian players on existing premises with



Improving cost efficiency via proximity to the European market, comparatively low operating costs.



Availability of high-skilled labor force experienced in automotive industry (both production and IT) for strengthening of factories and R&D teams

Potential post-war significant local market for municipal and passenger EVs as well as alternative energy solutions (e.g. Used Batteries Energy Storage Systems)

Similar investment projects in Europe



. EUR 1.2 bin. - EV factory by Volvo Cars

. EUR 13 ble. - "all-electric" vans factory

production

· USD 0.29 bin. - EV bettery

. EUR 0.12 bin. - EV bettery recycling

· EUR 1.6 bin. - battery cell factory by SK

· EUR 7.3 bin. - batteries factory by CATL

INVESTMENT mechanisms



2,000+ state owned companies for privatization

Ukrainian players potential manufacturing partners

€URO(AR

Филопали





Potential location: key facts



Ukrainelnyest

S. Korea Blue-Chip Automotive players

PO HYUNDAI



MOBIS **5L** Corporation

A YURA

SAMSUNG SDI

(B) LG Energy Solution