

ELECTRIC VEHICLE



GLOBAL EV MARKET AT A GLANCE

Global EV market snapshot



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 decades.

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





The European EV market is projected to reach USD 1.951.5 bln, by 2029 from an estimated USD 147.6 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.



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
 - 39thout 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

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 EVs in Ukraine up to 75% by 2030.

 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 mid of 2024.

Ukraine has already set the ground for the e-transport market development having* E-Mobility service providers

5+ charging station operators 3,000+ sta

7.700+

EV charging points / connectors

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



Main auto parts producers working in Ukraine...

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...for world-known

brands of automakers...

...supplemented by of Automotive IT solutions suppliers present in Ukraine



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







Potential partnerships in manufacturing between local Ukrainian players on existing premises with strategic investors bringing proven technologies



Improving cost efficiency via proximity to the European market, comparatively low operating costs and government incentives



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

Ukralne Invest



INVESTMENT mechanisms





2,000+ state owned companies for privatization

Ukrainian players – potential manufacturing partners



- official Škoda cars manufacturer in Ukraine
- capacity: 80 ths. cars p.a.
- potential for capacity expansion



 automobile and light duty moto vehicle manufacturing



- one of the largest manufacturers of high-quality grade tea and lead alogs in Europe
- one of the leading manufacturers of lead-acid starter batteries in Europe



WESTAR

2 plants: "Westa-Drepr" and "Westa Industrial capacity: 21 ths. daily / 7.6 mln. p.s.

SCR.AZ

- producer of trucks and spare parts, trailers and semi-trailers
- lineup includes 33 base models, about 350 versions and over 1,560 configurations of two-, three- and four-axle convertional and cabover trucks



- producer of starter batteries
- capacity 3.5 min, p.a.
- 50% of products are being exported
 - 14 -

Potential location: key facts





