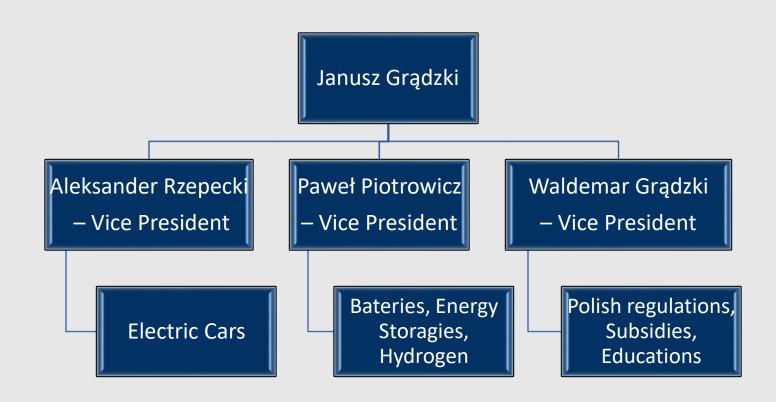




Janusz Grądzki Polish Chamber of Commerce President – Electromobility Committee



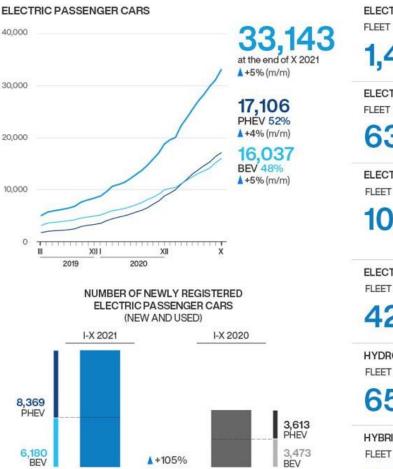
# Polish Chamber of Commerce Electromobility Committee



Net Zero Scenario Figure 224: Markets with net zero targets Which parties have a net-zero target? As at June 8, 2021 Legislated Official government position In legislative process Under discussion No target Source: Governments, BNEF.

## E-mobility index vehicles

#### Vehicles



7,086

14,549



1,412

NUMBER OF REGISTRATIONS (new and used) I-X 2020

I-X 2021 600

301 ▲+99%

#### ELECTRIC BUSES DMC > 3.5 t

FLEET

633

NUMBER OF REGISTRATIONS (new and used)

I-X 2021

I-X 2020

202 154 ▲+31%

#### ELECTRIC MOTORCYCLES AND MOPEDS

FLEET

NUMBER OF REGISTRATIONS (new and used)

I-X 2021

I-X 2020

3,137

2,444

#### ELECTRIC MICRO VEHICLES AND OTHERS

FLEET

NUMBER OF REGISTRATIONS (new and used)

I-X 2021 67

I-X 2020 39

A+72%

#### HYDROGEN PASSENGER CARS (FCEV)

65

NUMBER OF REGISTRATIONS (new and used)

0

I-X 2021 I-X 2020

64

#### HYBRID PASSENGER CARS AND VANS

303,393

NUMBER OF REGISTRATIONS (new and used)

I-X 2021 I-X 2020

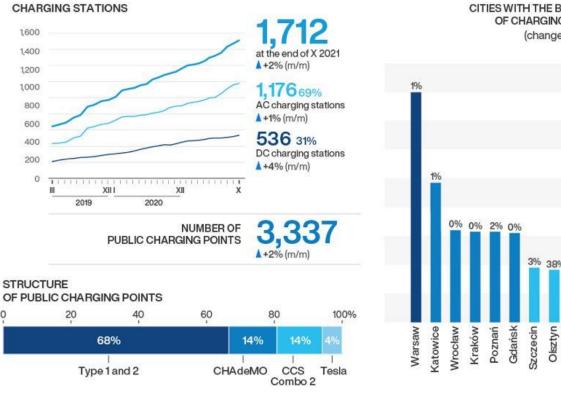
111,218

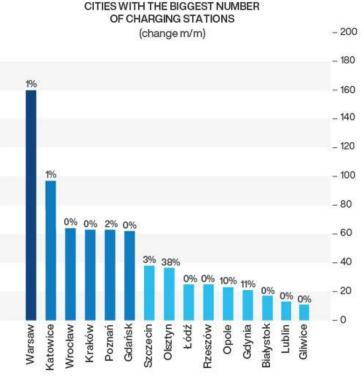
53,201 1+109%



# E-mobility index; infrastructure

#### Infrastructure













Mercedes - Benz Manufacturing Poland Jawor

**Prodution** 

Batteries for BEV (target: 100,000 batteries per annum)

Diesel engines...

and gasoline engines for PHEV's and ICE

- Operator: Mercedes-Benz
   Manufacturing Polska
- Value of Daimler investment in Jawor
   ca. EUR 600 mln
- Over 1.000 new, highly qualified jobs
- Industry 4.0 factory
- Construction started in 2017
- 100% renewable energy





## Northvolt, Gdańsk 2022

- The Swedish company Northvolt will build a modern production plant in Gdańsk and a research and development center in the field of battery modules and energy storage systems.
- The investment will amount to \$ 200 million.
- The company will employ 500 people.

## northvolt

- The area of the facility will be 50,000 square metres.
- The potential future capacity of the plant will be 12 GWh.





The largest EV chargers' producers in Poland

# EKO ENERGY SYSTEMS EKO ENERGY SYSTEMS



### Ekoenergetyka-Polska:

- Big Polish player in the BUS chargers market.
- Established in 2009 in Zielona Góra.
- Over the decade, Ekoenergetyka has grown from 2 to over 300 employees and gained clients all over Europe
- In 2020, Ekoenergetyka-Polska produced nearly 700 charging stations, won 68 tenders for a total of PLN 75 million, closing the previous year with revenues of over PLN 100 million.





### **Enelion:**

producer of electric car chargers and ecosystem management software for emobility.

Designing electronics and producing devices in Poland since 2016

Severalthousand chargers to customers in Poland and abroad delivered.





## **Pre Biel:**

Energy infrastructure producer

25 years of experience

EV chargers' brand

Complex offer (chargers, infrastructure, software, accessories)

Pre Biel chargers popular as public infrastructure in several Polish cities

Factory of Polish electric cars - IZERA

- New e-mobility brand from Poland
- Developed by Electromobility Poland sp. z o.o.
- Shareholders: public Energy companies (Tauron, Energa, PGE) and Polish Government.
- 55 M EUR invested; several billions expected from new investors
- Future factory located in (118 hectares), 15.000 new jobs
- Plant construction scheduled in Q3 2022.
- Production to start in 2024.
- Planned capacity: 200.000 cars.
- Car platform bought from another car manufacturer (to be announced in January 2022).
- Two prototypes have been presented; 5 models planned.



Some facts about the IZERA:

• City cars and small SUV's

• Battery capacity: 40 kWh -60 kWh.

- Range of 350-420 km
- 0-100km/h in 8 seconds
- No detailed info energy recovery system or modern driver assistance systems.
- The charging time: 30 minutes 0-80%



Melex N.Truck

## Polish electric cars

The producers of the abovementioned cars presented themselves very well during the shows.

They have knowledge, know-how, but are still looking for investors and specific production solutions.



## Summary

- At the end of 2020, the value of exports of lithium-ion batteries reached approx. EUR 400 million per month,
- Batteries for EV equals to 2% of all Polish exports

Poland addresses all branches of electromobility:

- Infrastructure for charging electric cars.
- Passenger cars and buses 190 models of plug-in cars available for purchase on the Polish market.
- Producing batteries for electric vehicles.
- Car and bus manufacturing (MB, Toyota, Opel, VW, Ford, Solaris and more)

## Bloomberg

Bloomberg New Energy Finance (BNEF):
Poland currently ranks first in Europe and fifth in the world among the countries particularly involved in the construction of the European and global value chain of the battery sector and has a chance to maintain a leading position in this area at least until 2025. In 2020, the value of exports in this sector amounted to approx. EUR 2.9 billion. Poland is the third largest market in number of enterprises in this industry (61 entities)



Janusz Grądzki jgradzki@kig.pl + 48 607 275 350

**Polish Chamber of Commerce** 

President – Electromobility Committee

