Electric Mobility

Global Trends and what we do in Ukraine

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Why EVs are important? Ukrainian case.

Transport sector emissions in Ukraine are 1.5x above the world average. GHG emissions make up 33% of these emissions.
Challenges: Urbanization and Limitations

- **Global Degree of Urbanization**: 53%
- **Shift to Mono-Functional Urban Zones**: CITY PLANNING

Increasing number of traffic jams due to higher strain on existing infrastructure
Challenges: Energy Consumption

Road transport is responsible for 43% of world’s oil consumption and growing.

25% of global primary energy consumption goes to the transport sector.
Solution: Green Economy

Green Economy

An economy that results in improved human well-being and social equity, while significantly reducing environmental risks and ecological scarcities.

- **Environmental Pillar**
  - Land Management
  - Renewable Energy
  - Water Management

- **Social Pillar**
  - Sustainable Transport

- **Economic Pillar**
  - Waste Management
  - Green Buildings
  - Clean Technology

UNEP
Solution: Transport Reforming Approach

**ENERGY EFFICIENCY ON TRANSPORT**

**SYSTEM EFFICIENCY**
Organise land use, social and economic activities in such a way that the need for transport and the use of fossil fuels is reduced

**TRAVEL EFFICIENCY**
Make use of energy-efficient modes like public transport and non-motorised modes to reduce energy consumption per trip

**VEHICLE EFFICIENCY**
Consuming as little energy as possible per vehicle kilometre by using advanced technologies and fuels and by optimising vehicle operation

**AVOID/REDUCE**
Reduce or avoid travel or the need to travel

**SHIFT**
Shift to more energy efficient modes

**IMPROVE**
Improve the efficiency through vehicle technology

GIZ
Green Transport Climate Target

B E L O W 1 . 5 D E G R E E

W I D E S P R E A D C L I M A T E T A R G E T
F O R S U S T A I N A B L E D E V E L O P M E N T

- Reduction of driving-related GHG emissions
- Electricity mix transformation
- Advantages from usage
- Reduction of air pollution
- Reduction of noise pollution
- Battery and vehicle production
Green Generation

IMPLEMENTATION OF GREEN TRANSPORT

INCREASE OF RENEWABLE ENERGY IN THE ELECTRICITY MIX
$335bn MARKET BY 2025

>50% OF TOTAL GLOBAL REVENUE BY 2025

RIDESHARING ONE OF KEY AREAS FOR GROWTH

PwC, Brookings Institution
EV Reform Goal in Ukraine

1. KICKSTART EV AND BATTERIES PRODUCTION
2. GREATLY REDUCE EV PRICE
3. BOOST EV-RELATED SERVICES
Cheaper EVs with favorable usage conditions

- Of EV price reduced by up to 40% by dropping VAT and introducing income tax discounts and 0% registration fee for 5 years.
- Even more free parking and bus lane usage for 15 years.
Lithium and Battery Production

POLOKHIVKA AND STANKUVATE ARE ONE OF THE LARGEST LITHIUM DEPOSIT SITES IN EUROPE

- **0%** CORPORATE INCOME TAX ON LITHIUM EXTRACTION (15 YEARS)
- **0%** CORPORATE INCOME TAX ON BATTERY PRODUCTION (15 YEARS)
THANK YOU

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