

Ostrów Wielkopolski „The age of electromobility”

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Ostrów Wielkopolski

- ❑ 72.000 of inhabitants
- ❑ Located in Greater Poland



The city is developing the idea of smart and innovative city

- ✓ the city has created its own **municipal green electricity network** – the project is finalists of the „Innovation in Politics Awards” 2021 (Vienna)
- ✓ Ostrów has obtained 3.5 mln Euro from Norway funds to carry out the project ***"E-Ostrów 2050 - an Ecological, Energy and Economic City"***



The age of electromobility from 2017 till now

- For the project, the city has obtained PLN 63 million, of which 46 million is EU funds
- We purchased 10 electric buses:
 - ✓ 4 electric buses in 2017
 - ✓ 6 electric buses in 2019

At the time of purchase, Ostrów's electric buses were the first in Greater Poland

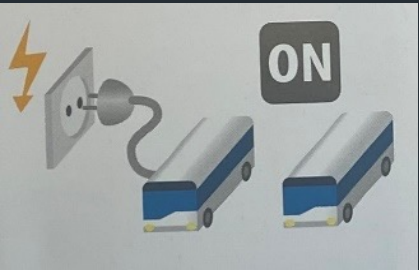


Why electric buses ?

- ✓ **Electric buses** are emission – free and environmentally friendly
- ✓ The buses are loaded with **green electricity** from the biomass produced by Ostrów's Heating Plant, they are „eco”
- ✓ buses run around the city center
 - to reduce the amount of pollution getting into the atmosphere

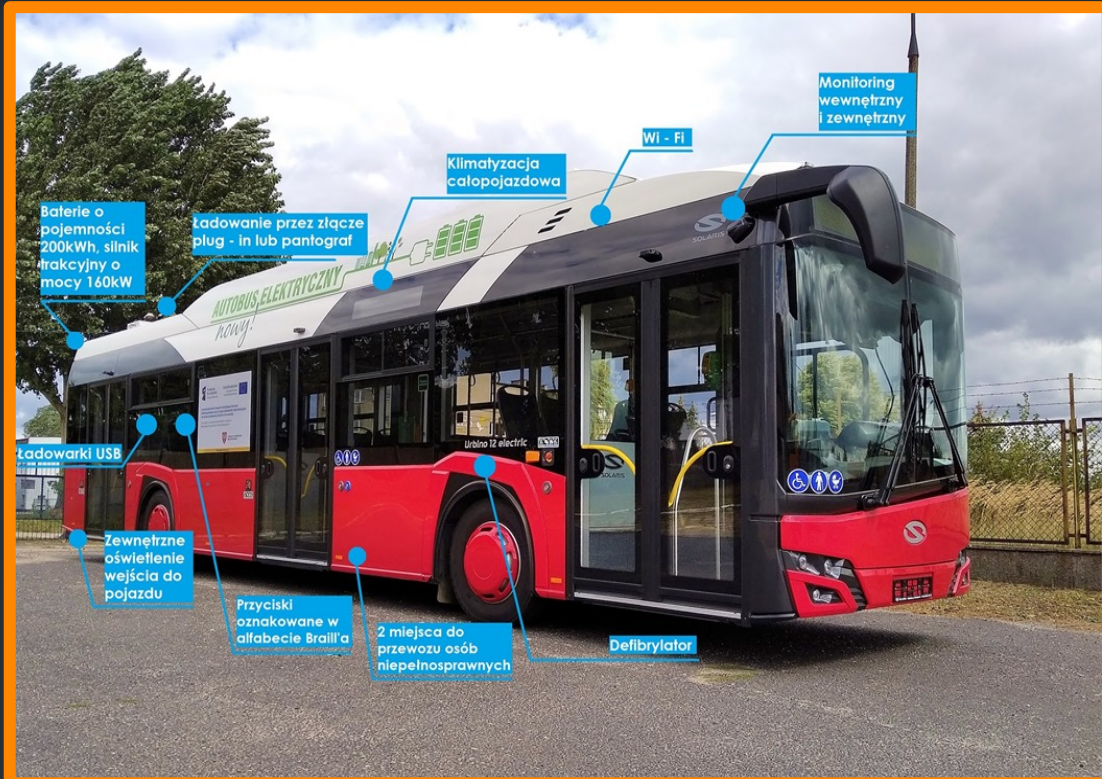
Procurement objectives

•• 2019 year ••



- Supply of **6 new electric low – floor city buses** with a dedicated traction battery charging system
- **Open procedure** to make sure that all interested suppliers could deliver bids
- The contract award was based on the most economically advantageous offer
40 % technical/ operational parameters,
60 % price
- **Only 1 supplier submitted** a bid, but it was able to meet all the requirements of the tender
- The value of the contract was approx.
3.5 million euros





- ✓ The buses are 12 metres long and about 14 tones
- ✓ Each bus holds a total of 28 seats and room for 49 passengers standing
- ✓ Air conditioning system
- ✓ Passenger information system
- ✓ USB charger
- ✓ Defibrillators are placed on board
- ✓ Dedicated charging system



The project, apart from 10 electric buses, includes:

- ✓ Interchange centre
- ✓ System of city bike
- ✓ New bus shelters
- ✓ Electronic boards
- ✓ Modern street lighting
- ✓ Intelligent transport System
- ✓ New bike paths



Picture: opening of the Interchange centre,
January 2019

Interchange center



City bike system - 10 stations, 81 bikes



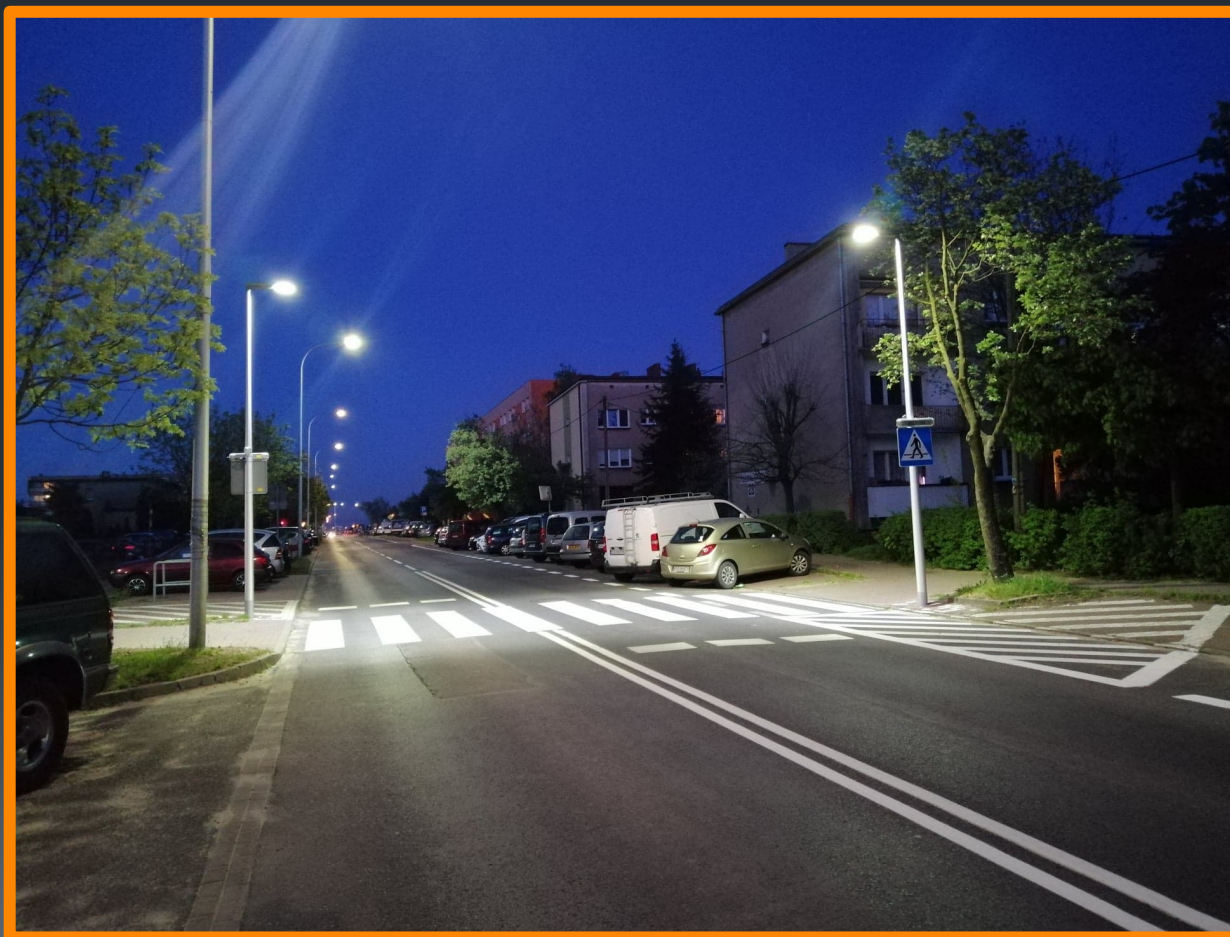
New bus shelters



Electronic boards



Modern street lighting



Bicycle paths



The team that has worked on the project:



- **Departments of the City Hall:**

- *Department of Acquisition of External Funds

- *Department of Municipal Economy and Environmental Protection /

- Public Transport Department
- Street and Road Lighting Company
- Ostrów County
- Municipal Road Administration → in the field of bicycle paths
- Municipal Transport Company → in the field of buses and city bike system

The purchase of electric buses

is estimated to reduce the average CO² emissions by 76 tonnes CO₂/ per year for each bus replaced.

This means that the city of Ostrów Wielkopolski will save about 460 tones of CO² every year when the buses are in operation



Environmental impact is the most important

- ✓ electric buses contribute to the replacement of old diesel buses
- ✓ Improvement of air quality
- ✓ Reducing the noise
- ✓ Reducing the greenhouse gas– emission from public transport
- ✓ Equal access to public transport for everyone



Challenges for the future



**3.5 million Euro from
the Norwegian Funds
for project
"E-Ostrów 2050.
Ecological, energy
and economic city"**

As part of the project, we are going to carry out many tasks:

- replacement of lighting with LEDs,
- thermomodernization of public utility buildings,
- further investment areas,
- PARKING guidance system,
- modern ecological kindergarten,
- new bus shelters and green stops



■ THANK YOU FOR
YOUR ATTENTION



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