Innovation in retail at NIS Petrol and Gazprom petrol stations

04 November 2022
Bojana Radojevic and Predrag Jovanovic
Sales and Distribution Block


GAZPROM
G-DRIVE

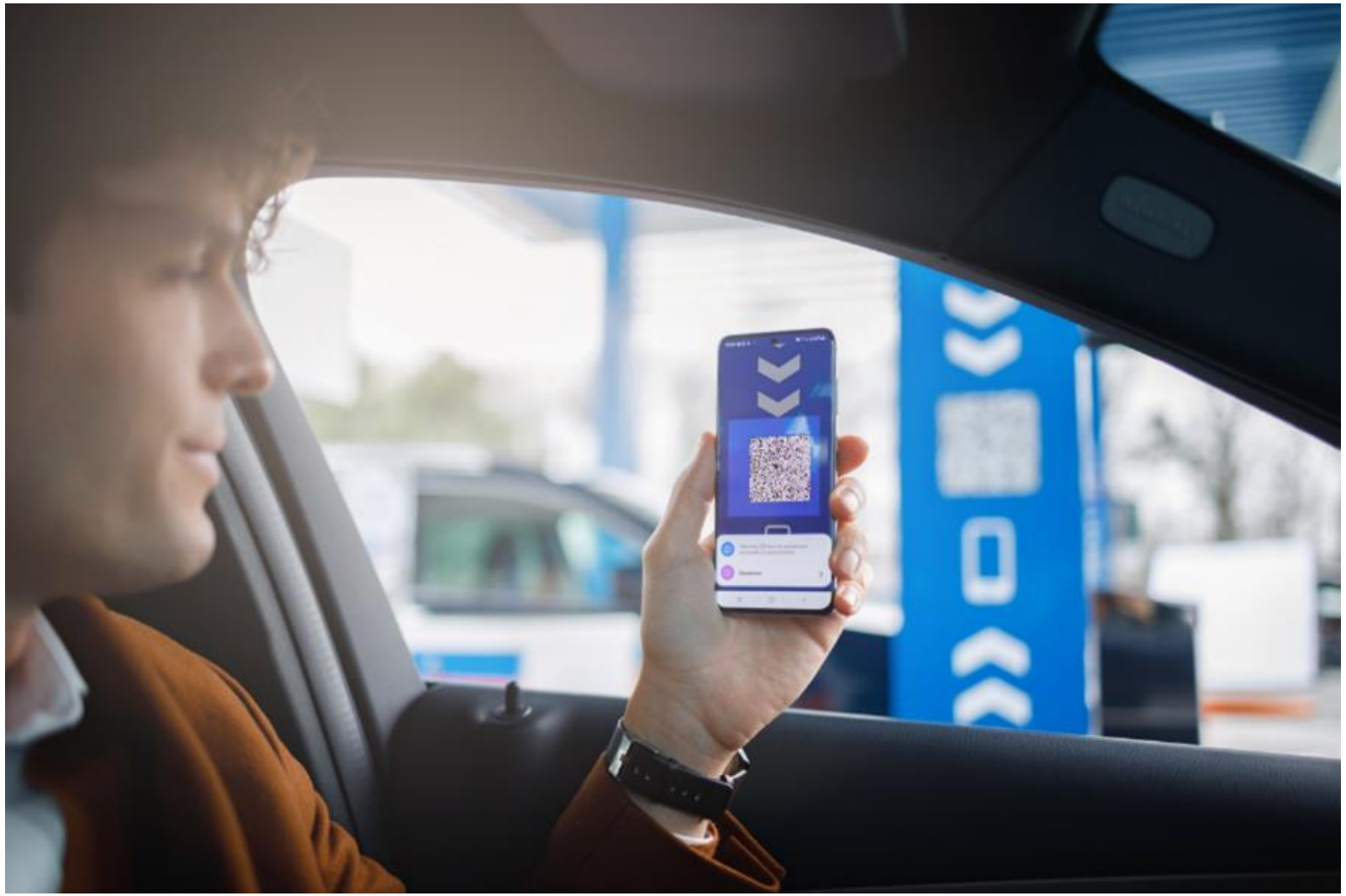
26/5/2021 - WHO IS IN CHARGE ON THE "MILOS VELIKI" HIGHWAY?

DRIVE . GO - PAYMENT FOR FUEL WITHOUT CASHIER DESK

DRIVE.GO

100.000+
of registered user accounts

- The service launched in 2020
- Available at all NIS Petrol and Gazprom petrol stations
- The possibility of issuing fiscal invoices with included VAT to legal entities



PARCEL PICK UP BOXES - YOUR PACKAGE IN YOUR OWN TIME

150 parcel pick-up boxes
in 40 cities
at 110 petrol stations

- 110 D-Express
- 50 Ananas

- **The service launched in 2020**
- 300,000 deliveries in 9M of 2022
- Safe and user friendly

NIS БУДУЋНОСТ НА ДЕЛУ

“QUICK CASH” - EACH PETROL STATION SERVES AS ATM!

5,000 RSD
maximum amount

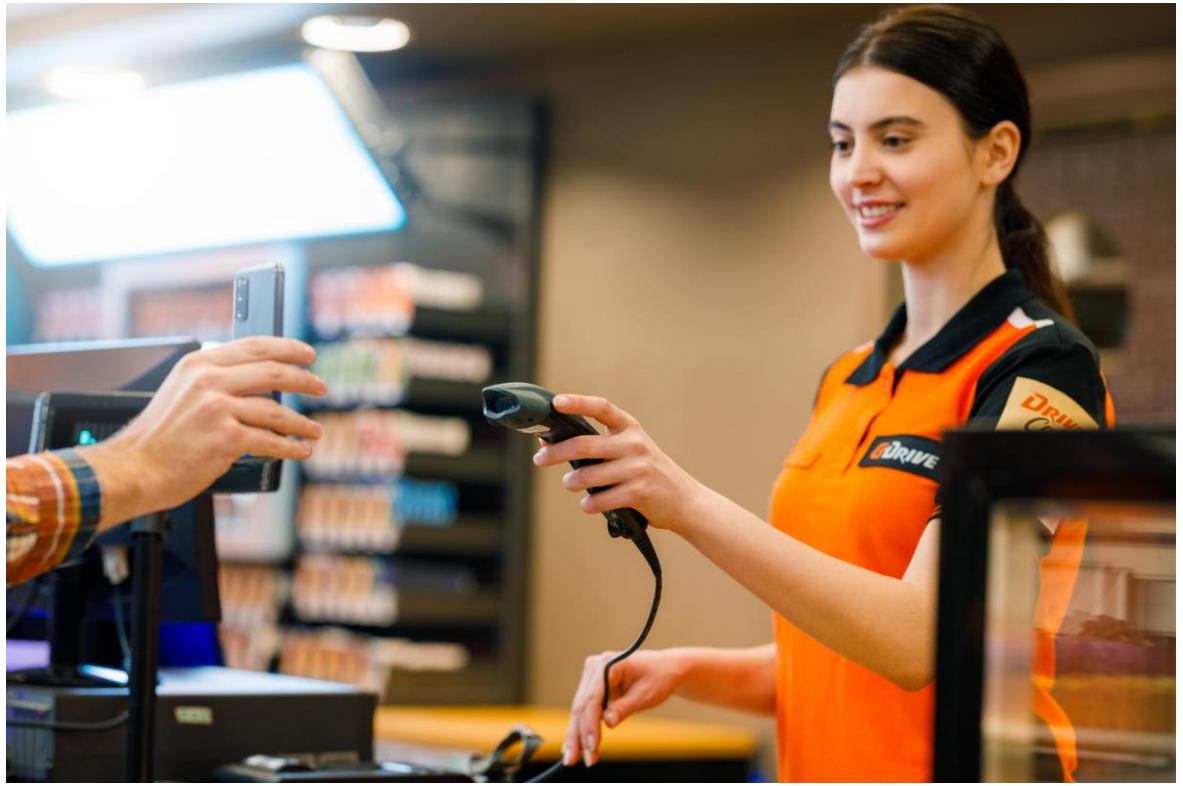
- The service available at all NIS Petrol and Gazprom petrol stations
- An important service in smaller settlements where bank ATMs are not available
- Enabled for users of MasterCard, Visa and Dina payment cards

UNIONPAY HAS ARRIVED TO OUR PETROL STATIONS

- The service of accepting UnionPay cards is available at all **NIS** Petrol and Gazprom petrol stations
- **UnionPay** –the most widespread card system in the world
- 9.4 billion of issued cards globally

IPS SHOW – WITHOUT WALLETS AND NO PAYMENT CARDS

- The service available at all NIS Petrol and Gazprom petrol stations
- Simple and modern solution
- Convenient when the user has not brought a wallet or a card



NIS БУДУЋНОСТ НА ДЕЛУ

SOLAR PHOTOVOLTAIC POWER PLANTS

at petrol stations

04 November 2022
Ratislav Kragic
Energy Block

SUBJECT OF THE PROJECT
CONSTRUCTION OF SOLAR FVC AT 8 PSs

1 PS KRNJESEVCI
HIGHWAY
38,64 kWp / 25kW

8 PS BLOCK 45
30,36kWp / 25kW

5 PS GORNJI
MILANOVAC
30,36kWp / 25kW

4 PS PRELJINA 2
30,36kWp / 25kW

2 PS STARI BANOVCI
HIGHWAY
38,64kWp / 25kW

3 PS DAYTON, NEW
BELGRADE
60,72kWp / 50kW

7 PS VELIKA PLANA -
HIGHWAY, RIGHT
30,36kWp / 25kW

6 PS KRAGUJEVAC 7
ELEKTROSUMADIJA
30,36kWp / 25kW

Total panel power 290 kWp, total inverter power 225 kW
Turnkey / Construction deadline 120 business day

OBJECTIVE AND BASIC INDICATORS OF THE PROJECT

Power consumption at the PS before the project:

The average consumption of electricity at the 8 selected PSs is 1,900 MWh/year

Goal of the construction / project:

Substitution of a part of the supply of electricity from the grid with the exchange of electricity with the network;
The produced electricity is used to cover a part of own needs at the PS. A slight surplus from FVC will be delivered to DSEE. The main source of electricity will continue to be a distribution system of electricity (DSEE).

Project scope

- Turnkey: The project involves the design, the procurement of equipment, the execution of works and the connection to distribution power grid with obtaining the status of buyer-producer.
- Deadline for completion 120 business days

Aggregate physical indicators after the realization of the project*:

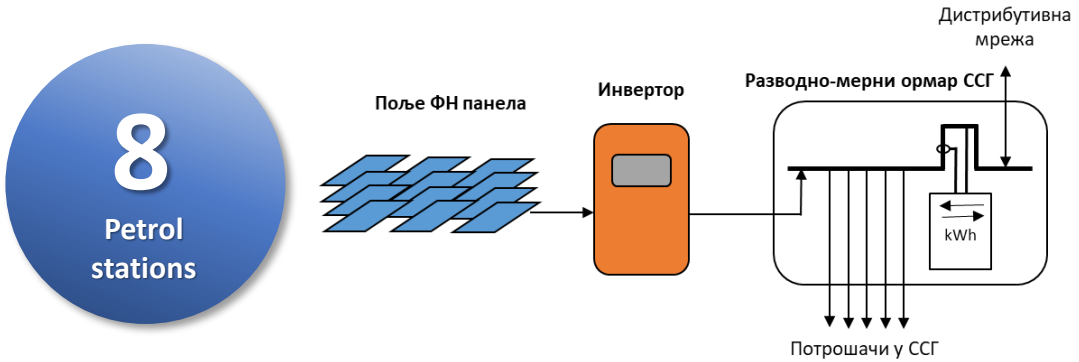
Net delivery of electricity from 8 FV power plants:	340 MWh/year
Savings in electricity procurement	15% or 292 MWh/year
The sale of electricity	**48** MWh/year
Savings in CO2 emission:	**374 t CO2 / year**

* The estimate for 2023.

Benefits

Benefits:

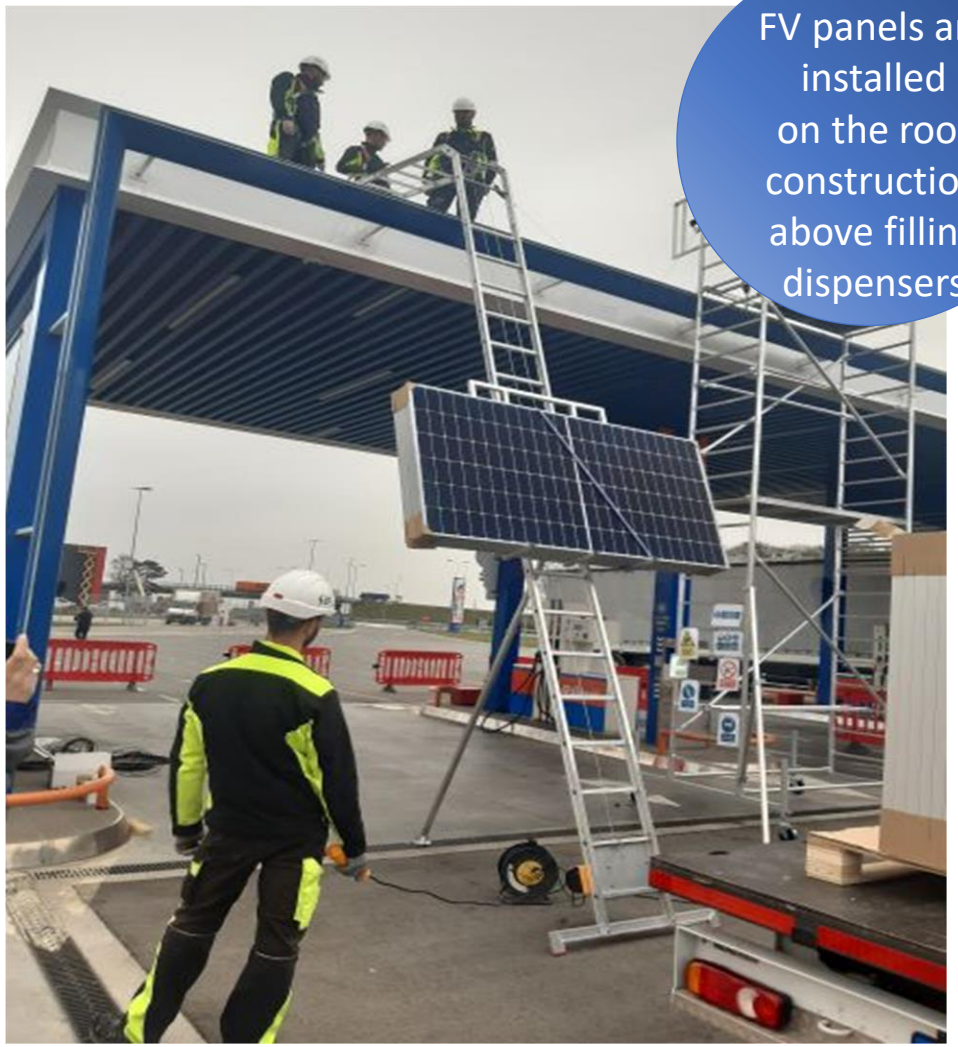
- Reducing the cost of purchasing electricity from the electricity distribution system
- Additional income from the sale of surplus produced electricity on the market
- Diversification of the company's business and positioning as a socially responsible company that produces "green energy" and helps preserve the environment



TECHNICAL CHARACTERISTICS OF THE POWER PLANT

The name of the petrol station	Installed panel power in kWp	Inverter installed power kW	Expected annual production kW	The date of startup
KRNJESEVCI - HIGHWAY	38.64	25	45.2	10 August 2022
STARI BANOVCI -HIGHWAY	38.64	25	45.2	26 May 2022
NEW BELGRADE - DAYTON	60.76	50	71.0	30 September 2022
PS PRELJINA 2	30.36	25	35.5	13 September 2022
GORNJI MILANOVAC 2	30.36	25	35.5	13 September 2022
KRAGUJEVAC 7 - ELEKTROSUMADIJA	30.36	25	35.5	20 July 2022
VELIKA PLANA - HIGHWAY	30.36	25	35.5	06 September 2022
BLOCK 45	30.36	25	35.5	30 September 2022
TOTAL	**290**	**225**	**340**	
AVERAGE VALUE			**1169 kWh/kWp**	

EQUIPMENT ASSEMBLY



FV panels are installed on the roof construction above filling dispensers

The field of FV panels 30,36 kWp - 60,76 kWp

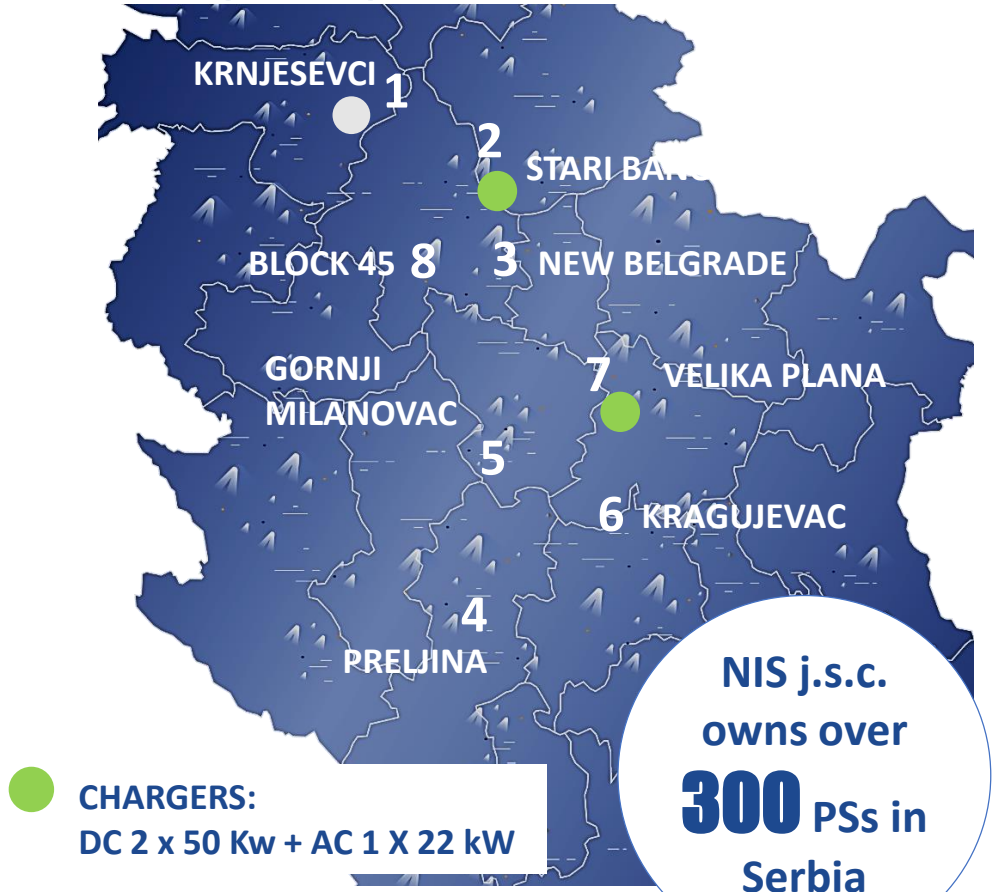
ne model of FV panels LONGI 460Wp LR4-72HPH-460M

Model of SMA inverter 25kW / 50kW

FV POWER PLANTS AT PSs IN COMBINATION WITH CHARGING STATIONS FOR ELECTRIC VEHICLES

REGULATION ON THE SHARE OF RES[1] IN TRAFFIC

- The mandatory share of renewable energy sources in traffic that the submitting entities of the system are required to put into traffic in the Republic of Serbia is prescribed
- System obligors are fuel suppliers who ensure the share of renewable energy sources in the final energy consumption in traffic
- Electricity is put into traffic by providing the service of charging electric vehicles at charging stations
- The share of renewable electricity used in road vehicles is calculated to be four times higher than its actual energy content
- **It should be possible to treat electricity produced on site (PS) from RES as energy consumed in chargers (while avoiding double accounting)**

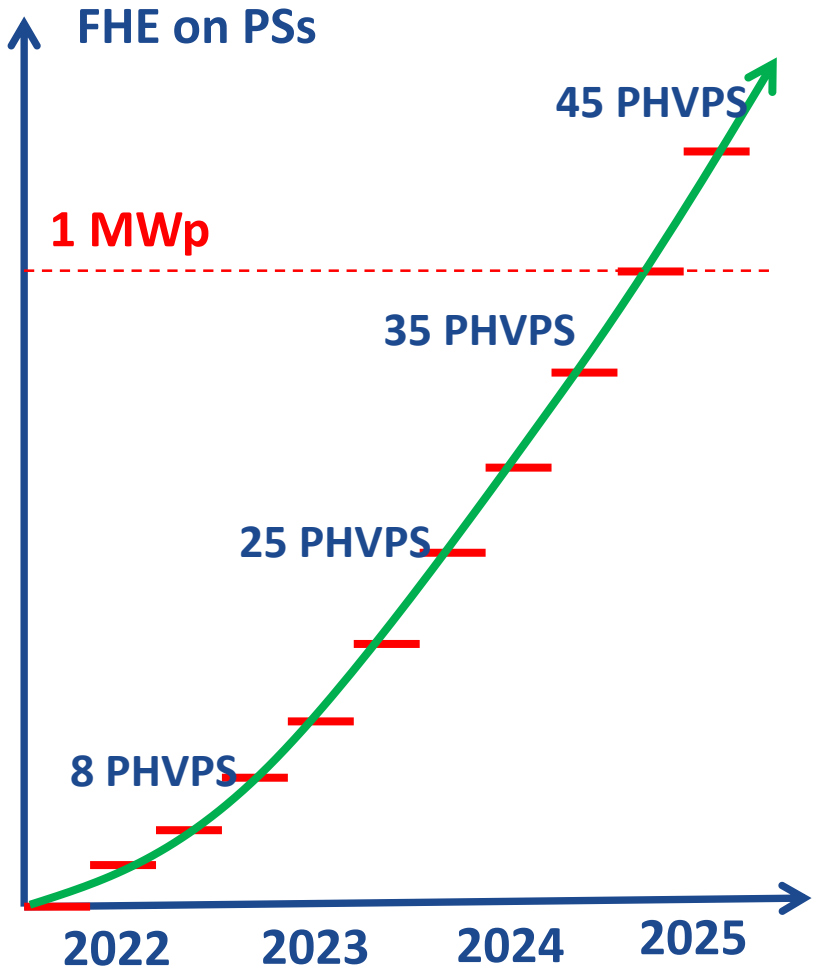


[1] Sustainable energy source

PLAN

Plan of the construction of new PHVPS on PS

- 10.2022. 6.2023.
  - + 7 PSs
  - 243 kWp / 200kW
  - 271 MWh/year
- 2023. 2025.
  - + 30 PSs (3 x 10 PSs)
  - 910 kWp / 750kW
  - 1,000 MWh/year



THANK YOU FOR YOUR ATTENTION!