

***CITY ADMINISTRATION OF THE CITY OF  
BELGRADE  
SECRETARIAT FOR PUBLIC TRANSPORT***



***ORGANIZATION OF PUBLIC TRANSPORT  
IN BELGRADE DURING THE COVID-19  
PANDEMIC***

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March – December 2020. year



## General information about public transport today

Public passenger transport is conducted in the administrative area of Belgrade:

- organized in 17 municipalities (12 urban/central and 5 sububurban/peripheral),
- on an area of 322,496 hectares,
- with 1,659,440 residents.

### In a regular situation:

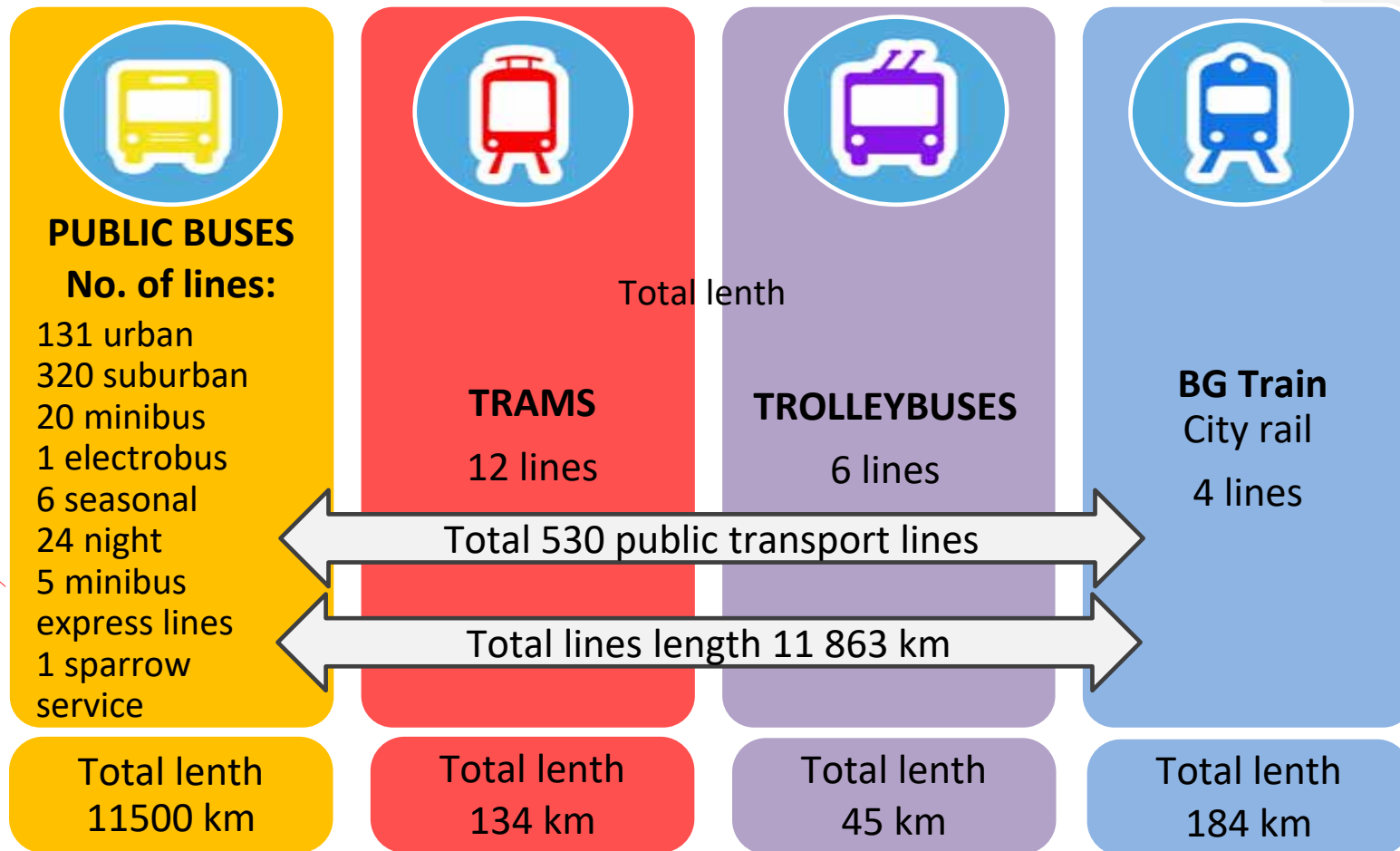
- Number of passengers/day (journeys/day) in the public transport: **2.5 million**
- In daily operation: **1.664 vehicles**.
- **530** Public transport lines
- Number of departures: **30.000 departures** daily on all lines.
- Daily distance travelled: **462.000 km total** for all vehicles.
- Number of stops: more than **5.400 registered stops** (3.103 stops for urban lines, 2.356 stops for suburban lines).
- Zones system: **4 tariff zones**.
- Operating hours: daily **lines 04-24h**, night lines **00-04h**.
- **5** Operators in the system: PUC GSP "Beograd", Consortium Ariva Litas, Consortium Avala bus 500, Consortium SP Lasta, "Srbija train"JSC
- Revenue from fares collected **5,900,000 EUR** per month





## General information about public transport today

Public transport sub-systems include:





## Covid-19 worldwide

**In December 2019**, the first case of infection with a new coronavirus called COVID-19 was confirmed.

**On January 30<sup>th</sup>, 2020**, The Director-General of WHO declared the novel coronavirus outbreak a public health emergency of international concern.

According to the WHO report, to this day in the world:

**Over 69,000,000 confirmed cases of COVID-19, including over 1,500,000 deaths**

According to the WHO report, to this day in Serbia:

**Over 220,000 confirmed cases of COVID-19, including over 2,200 deaths**

**On March 6, 2020, the first case of COVID-19 in Serbia was registered**

# What MEASURES have been implemented?



From the very beginning of the crisis caused by the spread of the covid-19 virus, the Secretariat for Public Transport has taken an active part in all activities aimed at preventing the spread of the virus and protecting the environment. SfPT have collected world experience regarding this problem, and translated UITP's document **Management of COVID-19: Guidelines for public transport operators**

Health safety measures :

- The level of hygiene maintain in public transport vehicles has been raised
- Distribution of hygiene products and protective equipment
- Recommendation on wearing protective equipment in PT vehicles
- Keeping a safe distance
- In taxis, the reception of passengers in the front seat is temporarily suspended
- Suspension of ticket sales by drivers





## Preparatory activities of the Secretariat for Public Transport to the pandemic

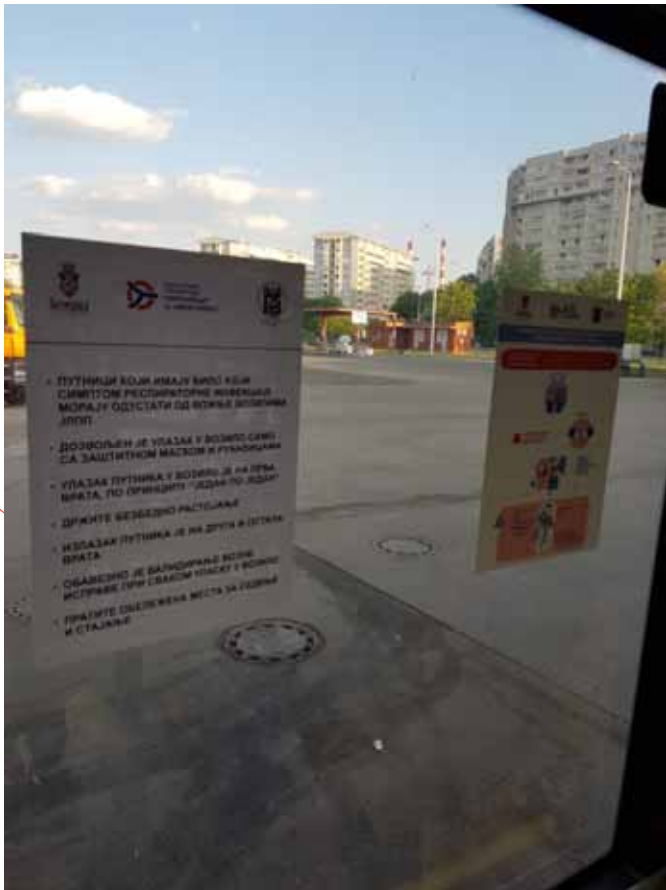
- **On March 13<sup>rd</sup>, 2020**, Secretariat for Public Transport (SfPT) temporarily:
  - Suspends ticket sales by the drivers
  - Suspends entry through the front door in PT vehicles
  - Introduces a physical barrier between the driver and the passengers
  - Changed work of controllers (ticket control is performed at terminals and stops)



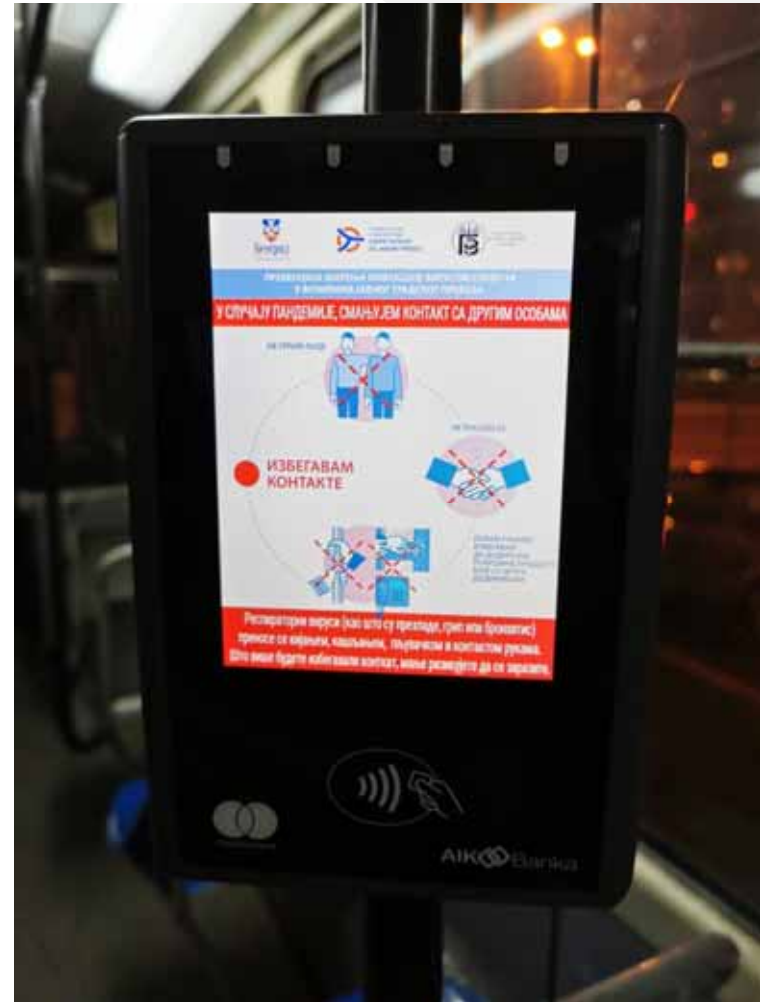


# Instructions in public transport

- **On March 14<sup>th</sup>, 2020**, posters with general instructions on safe behavior of passengers in public transport were made and placed on public transport stops and vehicles in the city and suburbs,
- On about 4000 validators in all 1600 vehicles, general instructions on safe behavior of passengers were placed.



# Instructions in public transport







**On March 15th, 2020, the President of the Republic of Serbia declared a state of emergency on the territory of the entire state**



# Disinfection of public transport vehicles

The city of Belgrade has provided public transport operators with certain amounts of sodium hypochlorite for vehicle disinfection.

Delivered on March 17<sup>th</sup>, 2020

Companies / consortium / association	Amount of granular chlorine solution taken in (kg)
GSP BEOGRAD	100
A group of private carriers – Ariva Litas	12
Avala bus	2
Consortium Lasta	6
<b>TOTAL</b>	<b>120</b>

Delivered on October 9<sup>th</sup>, 2020

Companies / consortium / association	Amount of granular chlorine solution taken in (kg)
A group of private carriers – Ariva Litas	350
Avala bus	100
Consortium Lasta	550
<b>TOTAL</b>	<b>1000</b>



# Disinfection of public transport vehicles

Presentation of sodium hypochlorite disinfection



Daily vehicle hygiene





## Taxi transport in a state of emergency

- The Sector for Taxi Transport determined the Methodology of work regarding the procurement and distribution of granular chlorine
- The work of the counter services of the taxi sector has been suspended
- Introduced a physical barrier between the driver and the rear seat in order to preserve the health of the driver and users
- The examination of suitability and classification of vehicles was suspended
- Airport taxi service charged at the lowest price
- Many associations provided services to medical staff free of charge



Companies / consortium / association	Number of taxi drivers	Amount of granular chlorine solution taken in (kg)
Pink taxi	1601	19
Beotaxi	853	10
Beonaksis	829	10
Beogradski poslovni taxi	516	6
Luks taxi	513	6
Gold taxi +NBA+ OK kameo + Independents + taxi associations and firms not listed	1020	10
Alfa bel taxi + Super taxi + Bg taxi 19800 + Halo alo taxi + Sitab + Aurora taxi club	475	6
Čukarički	160	2
Žuti taxi	147	2
<b>TOTAL</b>	<b>6114</b>	<b>71</b>

# Changing the mode of operation of public transport

In the period from 17.03.-21.03.2020., the SfPT made changes to the timetable:

- Carriers have been ordered to apply the Saturday timetable on weekdays
- Night transport suspended
- All minibus express lines have been canceled





**From March 21<sup>st</sup> 2020, in accordance with the Decision of the Government of the Republic of Serbia, the Secretariat for Public Transport has temporarily abolished public transport on all lines of urban, suburban, and local transport and all departures on all lines of BG trains**

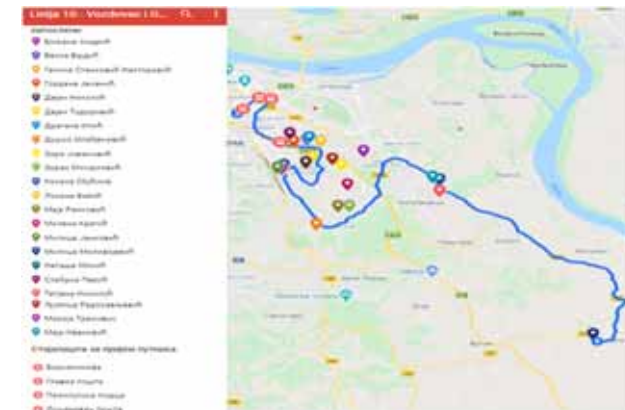
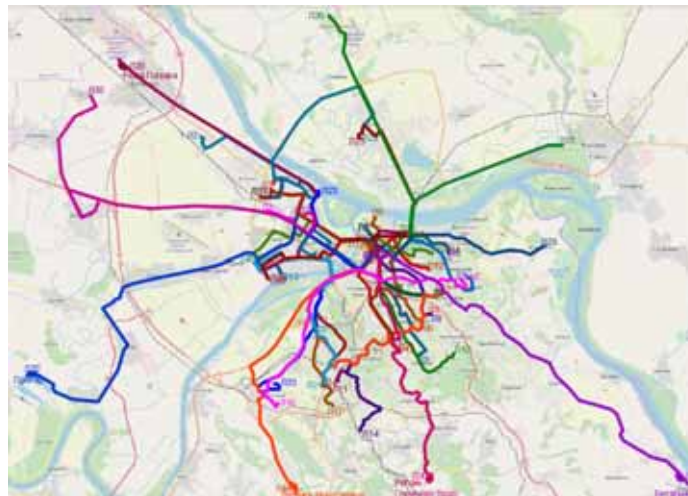


# What MEASURES have been implemented?



Service level - Mobility management:

- Changing the PT network depending on the stage of the crisis (from **530** regular to **80** special lines /34 urban + 46 suburban/, from **1.664 vehicles** in a regular situation to **273** in an emergency situation)
- The only operators during the state of emergency were PUC GSP “Beograd” and Consortium SP Lasta ,
- Change the number of departures and the number of vehicles in service depending on the stage of the crisis (from **30.000 departures** daily on all lines to **2.000 departures**)
- Number of passengers/day (journeys/day) in the public transport: decreased from **2.5 million** to **35 000**
- Special transport of employees in the City Administration of the City of Belgrade - 10 minibus lines
- Free transportation by special lines for medical staff, army, police.
- Revenue from fares collected decreased from **5,900,000 EUR** per month to **1,670,000 EUR** per month



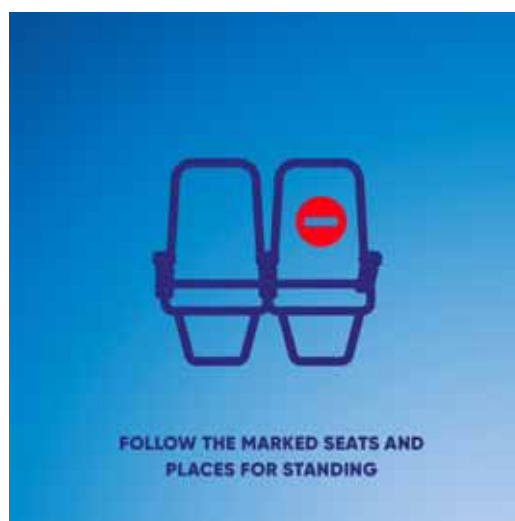


## Distribution of protective equipment to operators

**In the period from 24.03.- 08.04.2020. year**, the Secretariat for Public Transport distributed a total of 30,000 protective masks and 26,000 protective gloves:

- 23,000 masks and 20,000 gloves were given to JKP GSP "Belgrade",
- 7,000 masks and 6,000 gloves were given to SP "Lasta",

for the needs of maintaining special lines of urban and suburban transport, for the transport of health workers and non-medical staff



# Preparations for the first phase of re-establishment public transport

In the period from 23.04. - 08.05.2020, the SfPT is working intensively on preparatory activities for the re-establishment of public transport:

- Defining and preparing timetables,
- Communication and exchange of experience with undertaken activities in other European cities
- Communication and coordination with the City Institute for Public Health Belgrade in order to obtain guidelines and recommendations for the protection of the health of users and officials who participate in the work of public transport.
- Preparation of solutions and materials for marking public transport stops and vehicles in order to protect the health





**The Decision to lift the State of  
Emergency was made on May 6<sup>th</sup>,  
2020**



**From May 8<sup>th</sup>, 2020, passenger transport was carried out by using 1058 vehicles (916 buses, 74 trams, 64 trolleybuses and 4 electric buses) on urban lines, and 234 buses on suburban and local lines.**

**This timetable implies 77% of departures compared to the regular situation.**



# Re-establishment of public transport



On May 7<sup>th</sup>, 2020, SfPT with the City Institute for Public Health Belgrade promoted the epidemiological measures adopted after the re-establishment of public urban passenger transport.

The measures provided for:

- protective equipment is worn by users and driving staff,
- entry and exit of passengers at the marked doors,
- marking the seats on which the sitting of passengers is allowed or prohibited,
- marking standing spaces in the vehicle,
- control of compliance with epidemiological measures by sanitary inspectors and communal police





# Instructions in public transport



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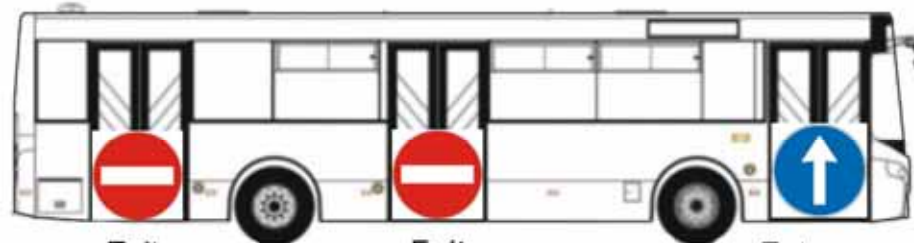


SOCIAL DISTANCE



USE FACE MASKS AND GLOVES  
IN PUBLIC TRANSPORT VEHICLES

Entrance to the vehicle exclusively through the front door



Exit

Exit

Entrance



CITY ADMINISTRATION  
THE CITY OF BELGRADE  
SECRETARIAT  
FOR PUBLIC TRANSPORT



SITTING IN THIS SEAT IS NOT ALLOWED  
LIMITED NUMBER OF SEATS  
DUE TO PREVENTING THE CIRCULATION OF THE  
CORONA VIRUS



USE FACE MASKS AND GLOVES  
IN PUBLIC TRANSPORT VEHICLES

# Promotion of epidemiological measures and marking of PT vehicles

May 7<sup>th</sup>, 2020





# Promotion of epidemiological measures and marking of PT vehicles

May 7<sup>th</sup>, 2020





# Promotion of epidemiological measures and marking of PT vehicles

May 7<sup>th</sup>, 2020





# Marking PT stops



# Marking the interior of the PT vehicles







# Promotion of new measures – Ozonation (twice a week) and hand sanitizers in public transport vehicles

December 13<sup>rd</sup>, 2020



# Control of compliance with epidemiological measures

Control of compliance with epidemiological measures was supported by SfPT and realized by sanitary inspectors and communal police





## WHERE TO GO?

- Exchange information between cities in different countries
- Informing citizens
- Alternative modes of transport
- Timely adoption and implementation measures of Headquarters for Emergencies at the level of the state and local self-government
- Timely supply of operators with protective equipment (masks and gloves) and vehicle disinfectants







## HOW TO TRANSITION TO A BETTER FUTURE?

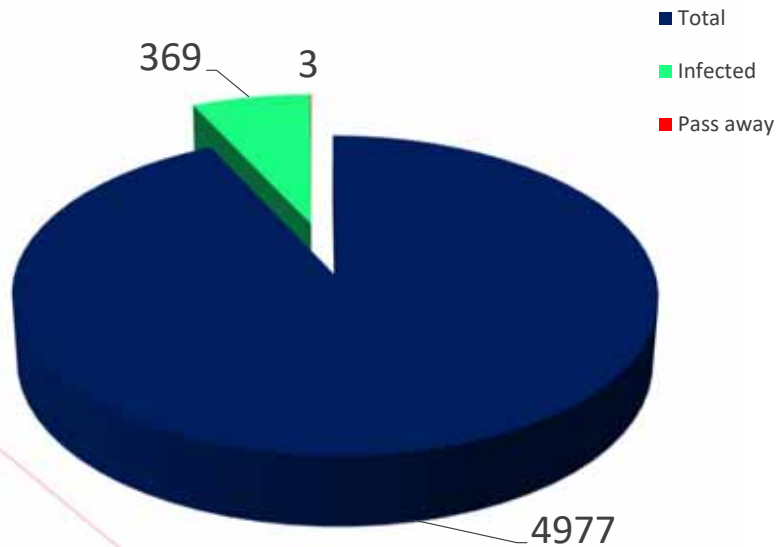
- Contactless payments
- Application of innovative solutions
- Forming regional and international working groups aiming to exchange ideas on how to overcome the crisis
- Influence on passenger awareness, placement of new measures and solutions through the media
- Promoting the use of cycling and walking



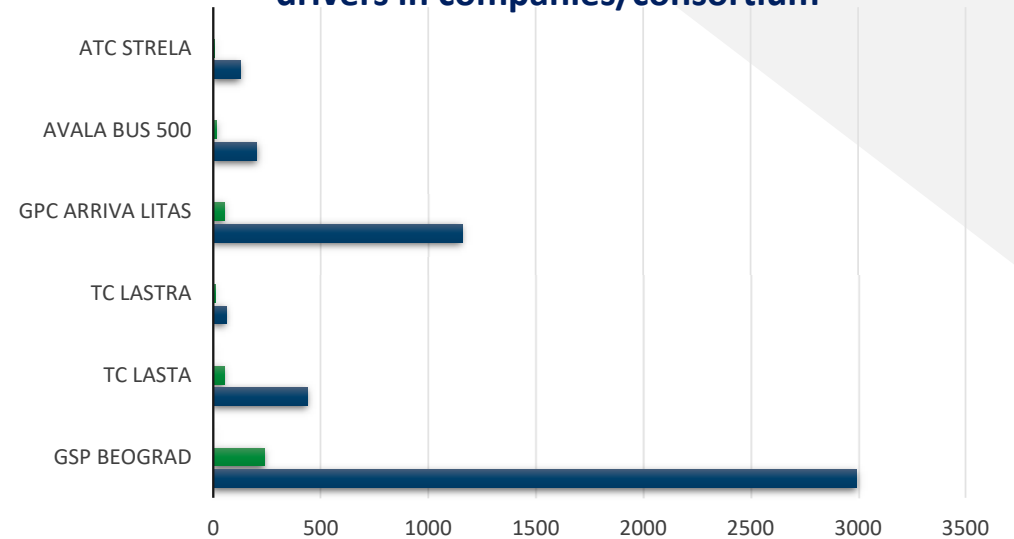
# Impact of COVID-19 on PT employees (drivers)



Number of drivers in PT in Belgrade



From March to December, number of infected drivers in companies/consortium

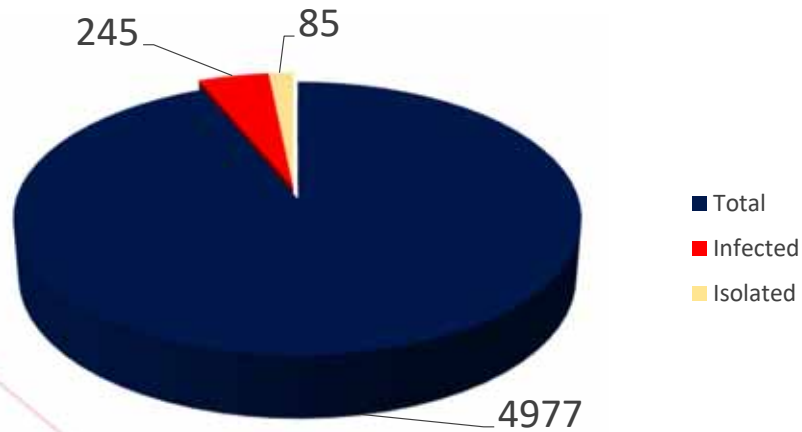


	GSP BEOGRAD	TC LASTA	TC LASTRA	GPC ARRIVA LITAS	AVALA BUS 500	ATC STRELA
pass away	1	2	0	0	0	0
Infected	240	50	9	50	16	4
Total drivers	2993	440	60	1157	202	125

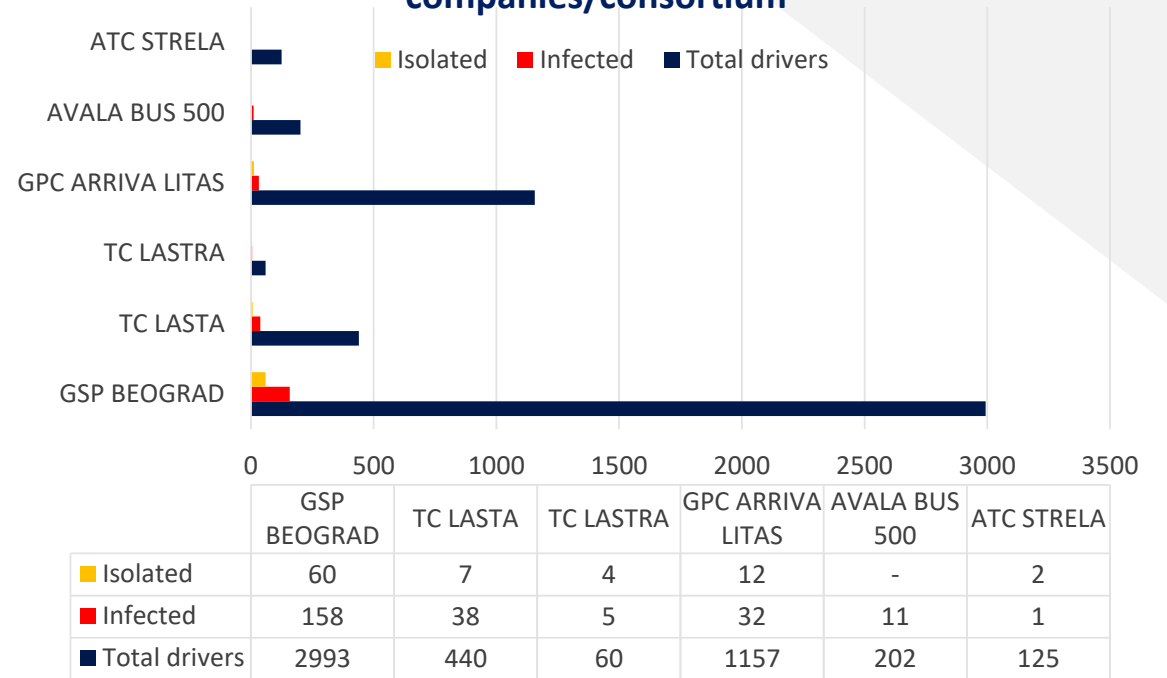
# Impact of COVID-19 on PT employees (drivers)



Number of drivers in PT in Belgrade



On December 10<sup>th</sup>, 2020 number of infected drivers in companies/consortium





# Campaign "Give way to health"

Preservation of health as an imperative of today was encouraged by the Secretariat for Public Transport to conduct a digital visual campaign "Give way to health". The campaign, through visual solutions via social networks and billboards as a video on 4 television channels with a national frequency, had a wide reach to end users.



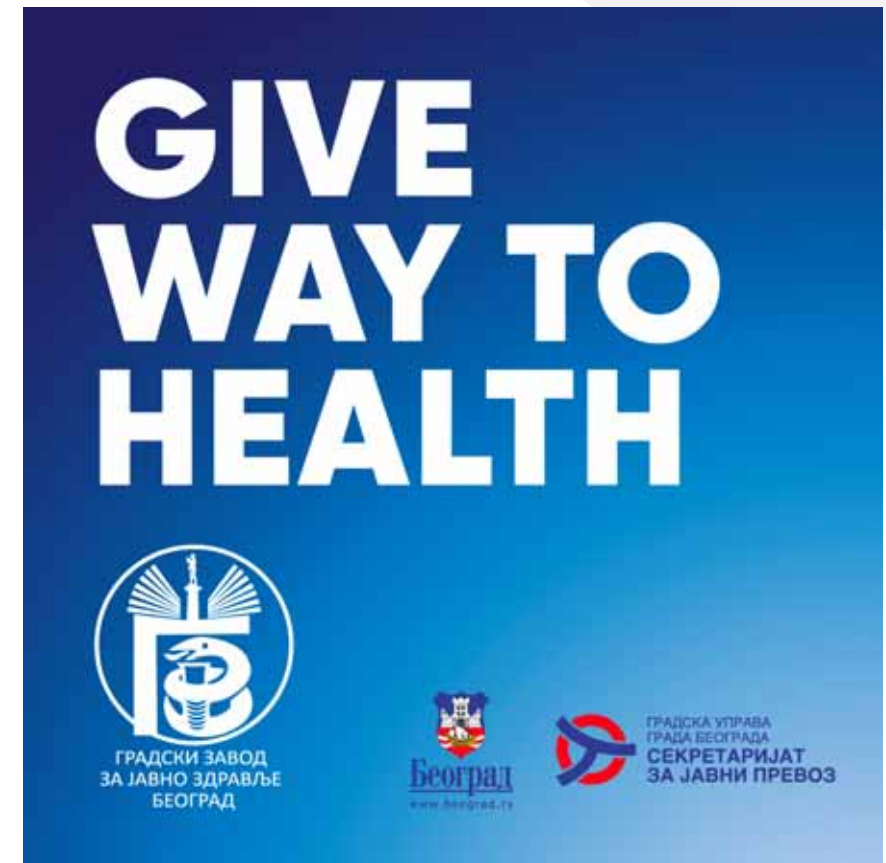
**GIVE WAY TO HEALTH**

ГРАДСКИ ЗАВОД  
ЗА ЈАВНО ЗДРАВЉЕ  
БЕОГРАД

-   
PASSENGERS WITH ANY SYMPTOMS OF A RESPIRATORY INFECTIONS HAVE TO GIVE UP USING PUBLIC PASSENGER TRANSPORT VEHICLES
-   
WEAR FACE MASKS AND GLOVES WHEN USING PUBLIC TRANSPORT
-   
PASSENGERS USE THE FRONT DOOR TO GET ON THE VEHICLE "ONE BY ONE"
-   
KEEP THE SAFE DISTANCE
-   
PASSENGERS USE THE SECOND AND ANY OTHER DOOR TO GET OFF THE VEHICLE
-   
THE VALIDATION OF THE TICKET IS MANDATORY EVERY TIME A PASSENGER ENTERS THE VEHICLE
-   
FOLLOW THE MARKED SEATS AND PLACES FOR STANDING

Београд  
www.beograd.rs

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ГРАДА БЕОГРАДА  
СЕКРЕТАРИЈАТ  
ЗА ЈАВНИ ПРЕВОЗ



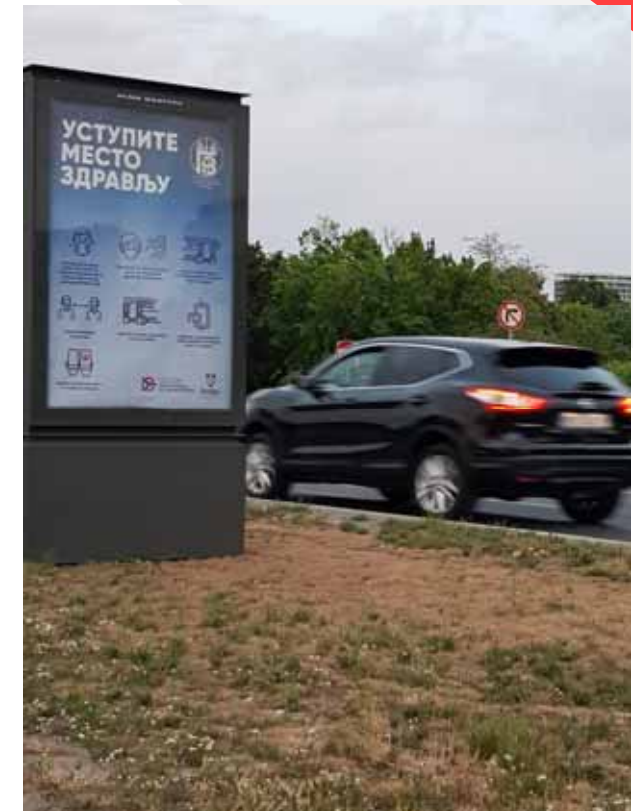
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# Campaign "Give way to health"




# Campaign "Give way to health"






# THANK YOU!

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