



International exhibition

of rolling stock, technologies and equipment for public city transport and infrastructure

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CITY TRANS UKRAINE 2020

2-3 April, Kyiv, Ukraine, NSC Olympiyskiy

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**PARKING
UKRAINE**

International exhibition

of equipment and technologies for organization of parking space within urban infrastructure

PARKING UKRAINE 2020

*Equipment \ IT Solutions \ Security \ Maintenance
On-street Parking \ Multi-level Parking \ Underground garages*

2-3 April, Kyiv, Ukraine, NSC Olympiyskiy

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PUBLIC TRANSPORT IN UKRAINE 2019

According to the data by the Ministry of Infrastructure of Ukraine, during recent reference period **5407 mln. passengers were transported in urban connection**, among them: 2575 mln. people with buses; 1300 mln. with trolleybuses; 757 mln. with trams; 775 mln. with metro. Annually **over 2 billion passengers** use urban electric transport (trams, trolleybuses), among them 67% are citizens of welfare beneficiaries.

As for today, 95% of tramcars and 67% of trolleybuses exhausted their lifetime and need replacement. Also significant part of tram roads and energy supply objects needs urgent major repair. Aging of urban electric transport and insufficient tempo of its renewal lead to the reduction of tramcars and trolleybuses fleet (about 200 units annually), to disparity of technical level to modern requirements, to significant growth (approx. by 25%) of energy consumption and operation costs, to the lack of sufficient comfort level, quality an security of provided services.

ROLLING STOCK PURCHASE

Mostly cities can enlarge their fleet only **due to the loans and financial leasing contracts** of international and domestic financial organizations. Poltava expects loan of 10 mln.Euro from the European Bank of Reconstruction and Development (EBDR) for the purchase of 40 trolleybuses and modernization of three electric substations. Poltava City Council has intentions to sign financial leasing contract with PrivatBank to buy 12 buses.

International Financial Corporation (IFC) plans to allot 50 mln. Euro to Lviv for the renewal of urban transport infrastructure, incl. purchase of 100 new trolleybuses with autonomous pace and power lines repair. Within the framework of the project «Urban public transport of Ukraine» Lviv authorities want to take a loan of 24 mln.Euro from EBRD to purchase 10 new trams and 100 new buses.

EBRD will provide loan of 18 mln.Euro to Mariupil for the purchase of 72 low-floor trolleybuses, reconstruction of depot and contact system. Kherson made an application to EBRD to obtain 12,5 mln.Euro loan for financing of trolleybus fleet renewal and infrastructure modernization. These funds are supposed to be directed to the purchase of 12m low-floor trolleybuses, modernization of contact system and tracking substations.

Dnipro ratifies leasing contract of 13 mln.Euro with EBRD to buy 44 new trolleybuses. Mykolaiv plans to purchase 60 new trolleybuses at EBRD loan cost.

Not only new **rolling stock is in demand, cities actively buy second-hand transport**. Dnipro bought in Germany 20 updated tramcars Tatra T4D. In 2020-2021 it is planned to import about 80 trams additionally. One of major private operators in Odessa purchases old large-capacity CNG buses in Austria. Starting from August 2019 nine second-hand multiple-unit trolleybuses from the Netherlands will begin to appear in Zaporizhia.

ELECTROBUSES IN UKRAINE

Transportation with electrobuses in Ukrainian cities has unit character. The only Elektron electrobus operates in Lviv. It is provided by local producer and uses technology of night charge. In Odessa first trolleybus with autonomous pace was produced as updated version of low-floor Scoda trolleybus. Now it undergoes certification procedure. In several Ukrainian cities Chinese electrobus «Skywell» operates in test mode.

In 2018 Ukrainian municipal transport operators signed contracts for the supply of 238 large-capacity city buses. At the same time, none of electrobuses were bought. Currently only Zaporizhia plans to sign a contract for the purchase of electrobuses due to the program of green investments (so called Kyoto Protocol). These electrobuses should replace outdated diesel-fuel buses.

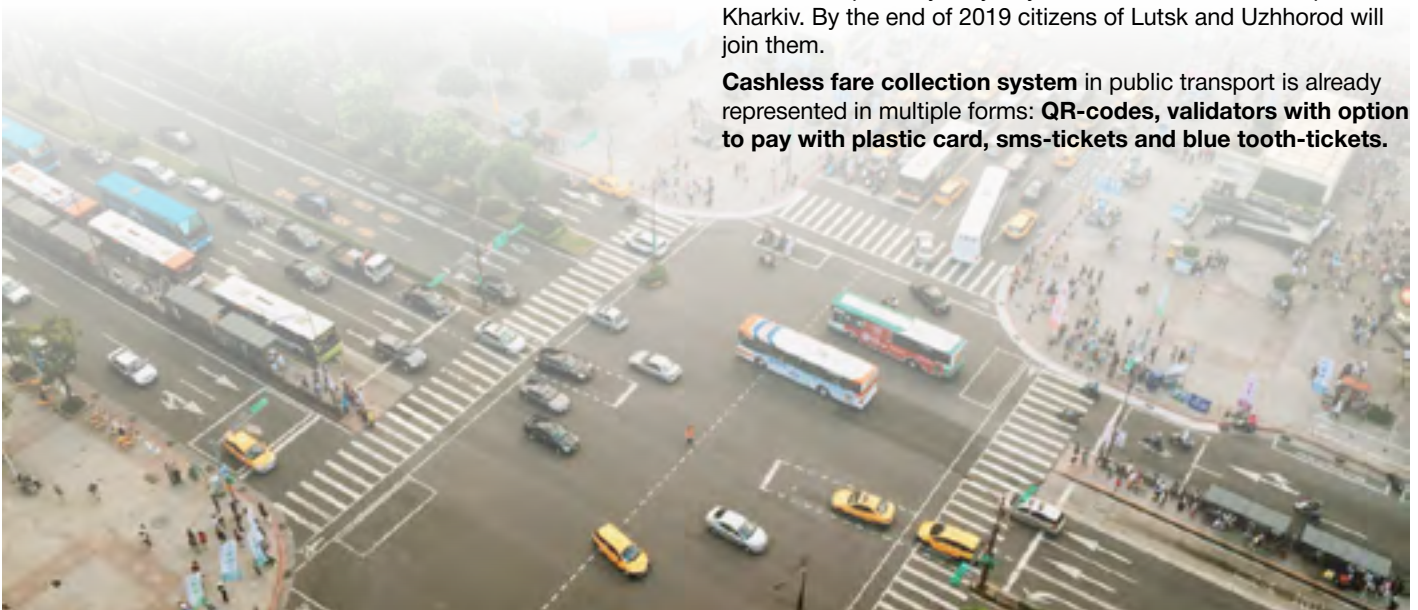
High cost of rolling stock and absence of charging network remain the main problems in electrobuses operations in Ukraine. European practice shows that during purchase of electrobus 60% of its cost is compensated by city budgets, without shifting these expenses to public transport operators. Besides, Ukrainian automotive producers are ready to launch their own electrobuses, on condition that they will have orders and interested buyers can demonstrate paying capacity. The question about state programs to support electrobuses purchase is still opened.

NEW TECHNOLOGIES

Information boards and «smart» public transport stops, GPS-navigation to monitor public transport movement, planning systems for transport and passenger-flows – new technologies actively enter everyday urban life.

E-ticket is the most obvious innovation that was already appreciated by the citizens of nine Ukrainian cities: Bila Tserkva, Vinnitsa, Dnipro, Zhytomyr, Kyiv, Lviv, Mukachevo, Ternopil and Kharkiv. By the end of 2019 citizens of Lutsk and Uzhhorod will join them.

Cashless fare collection system in public transport is already represented in multiple forms: **QR-codes, validators with option to pay with plastic card, sms-tickets and blue tooth-tickets**.



URBAN MOBILITY

In Ukraine starting from the 1 September 2018 new state construction standards came into force – related to “Territories planning and Development”. According to them, **cities having population over 100 thousand people should develop long-term development strategy for their transport system — combined transport scheme (CTS) with a perspective of 30-40 years.** CTS should be developed by local authorities as a separate document on the basis of the approved city master plan.

Nowadays communities grow actively, villages turn into cities, cities into megalopolises. That’s why during their development it is necessary to know traffic performance, number of parking areas for citizens, etc.

Main challenges faced by Ukrainian cities include: **public transport (weakly developed, duplicated and unpopular)**, lack of bicycle infrastructure, poor pedestrian infrastructure, **growth of automobilization (especially in Kyiv).**

That is why classical **urban mobility plans** include: **development of public transport**, traffic safety, development of bicycle infrastructure, popularization of walking by foot, external transport service and **parking space.**

Passenger mini-vans make big problem for many Ukrainian cities. This transport mode manages to stuff the biggest highways and prevent electric transport movement. Zhytomyr and Mykolaiv during interconnection with private operators count on **transfer from the model of payment for the route to the model of payment for transport work.** Currently implementation of the same transfer is under discussion in Kyiv and Lviv.

None city can manage completely without private transport operators, but cooperation with them can become acceptable. That is why city authorities should take all opportunities **to promote public transport and develop optimizations schemes for its routes.** We are talking about the decrease of small-capacity transport and growth of the share of large-capacity vehicles. As well as about **integration of entire ticket** for transfer to other transport routes. The other way is **to create metropolitan area**, i.e. exit of transport model out the city limits to closest villages and communities.

WE INVITE TO JOIN:

- city and regional authorities, communities
- public transport operators
- municipal and private parking operators
- manufacturers and dealers (buses)
- manufacturers and dealers (electric transport)
- public transport stops equipment
- construction companies (directors, supply departments and capital construction departments)
- shopping & entertainment centers, business & trade centers, hotels, supermarkets (operations departments & supply departments)
- cable products & equipment for electric transport
- charging stations for electric transport
- signaling & control systems
- intelligent transport solutions \ ITS
- passenger information systems
- e-ticketing solutions
- security & safety systems
- barriers / columns / fencing
- access control equipment
- parking fare collection \ parking meters
- Lighting \ LED systems for parking areas
- security systems & intercom systems for parking areas
- car lifts
- flooring / painting / marking for parking areas
- ventilation systems for parking garages
- mass media
- financial services
- engineering & construction

Participation in the Exhibition allows to offer your products and services to professionals in the area of urban public transport and city infrastructure in Ukraine, to main decision-makers on city and regional levels.

SECTIONS OF THE EXHIBITION

- VEHICLES FOR URBAN TRANSPORT
- MAINTENANCE AND REPAIR OF TRANSPORT FLEET
- INTELLEAGENT TRANSPORT SOLUTIONS
- CITY TRANSPORT AUTOMATISATION
- MECHANICAL PARKING SYSTEMS & COMPONENTS
- IT-SYSTEMS & TECHNICAL SOLUTIONS FOR PARKING AREAS
- MAINTENANCE OF PARKING GARAGES



PARKING IN UKRAINE 2019

The law «About changes to certain legal acts related to the reform of vehicles parking sphere» came into force at 27 September 2018. The main **challenges related to parking in big and small cities** include: traffic jams, systematic and unpunished rules violation during stop\stand, **poorly developed parking infrastructure and lack of funds in city budgets for its building**, blocking of pedestrian footpaths, sidewalks and green zones, prevention of public transport work.

Separate **parking inspection services have been already formed and operate** in Kyiv, Odessa, Dnipro, Lutsk, Kharkiv, Lviv, Ternopil. Other municipalities actively discuss an implementation of the similar initiatives. Currently parking inspectors have rights:

- **to call drivers to administrative account** when they violate traffic code in the part of stop/stand of vehicles;
- **to impose fines** to vehicle driver if he didn't pay for parking;
- **to evacuate cars** if they block traffic or if they park at lots for disabled drivers.

For many cities **lack of free spaces for parking** becomes real problem: especially this is true for million-plus cities and in the cities with compact housing, mainly in central parts. Foreign megalopolises already managed to solve an issue with land shortage for parking. Ukraine should follow foreign experience. That is why starting from 1 July 2019 new changes to state construction standards came into force related to development and **construction of automatic parking systems on the roofs of public buildings** (trade and entertainments centers, administration buildings).

Simultaneously starting from 1 June 2019 new **planning standards for multi-level underground garages in public buildings** came into force. Approved changes will allow to increase number of parking lots and save space to arrange this type of parking areas.

Another way to cope with traffic jams and to solve problem with lack of parking spaces is **to arrange convenient intercept parkings** at the entry to big city centers. New changes to construction standards also entered into force at 1 July 2019. Mentioned type of parking areas should help to promote use of public transport.

Besides creation of parking inspection services at the local level, other priorities also include **parking payment and vehicles evacuation**. Not many car owners conscientiously park at special venues, not many can use parking meters and apps, and city authorities complain for the absence of own tow trucks in municipal fleet. Interesting to mention that even with proper payment for parking certain drivers can't avoid fines because **digital payment system sometimes operates not ideally** and it can face failures. However, even without having fine-tune parking payment system, first significant money from fines started to come into city budgets. In Dnipro within March-July 2019 city budget obtained 2 250 000 UAH. Taking into account that fines were paid within 10 days privileged period, i.e. drivers obtained 50% discount.

New technologies touched not only parking payment with smartphone. New concept is called **«smart» parking system**, which will operate in Kharkiv in the nearest future. Thanks to this system citizens will have a chance to obtain information about urban parking infrastructure, to save time and fuel during looking for parking lot that as a result will help to minimize traffic jams.

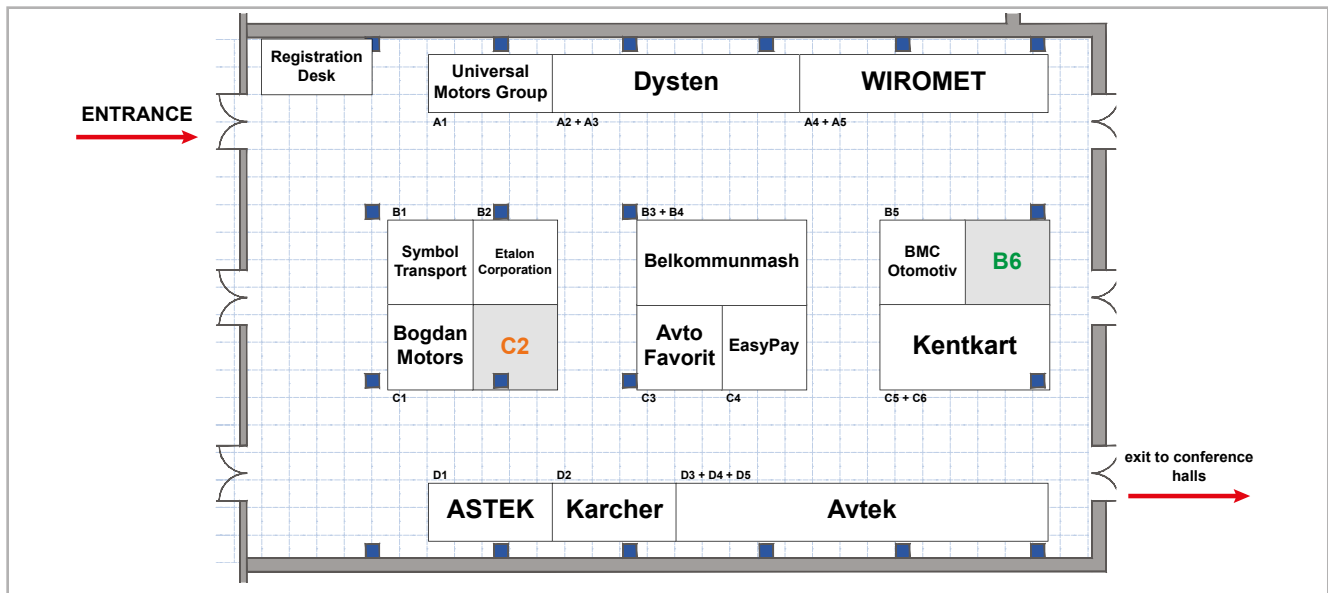
Mentioned system allows to serve parking area on-line: to control payment for parking services taking into account different tariffs, parking duration, time of the day, venue and parking zone.

Currently electric cars in Ukraine start to gain popularity. Starting from 1 January 2020 the law about **the ban for the owners of fuel and diesel cars to use parking lots meant for electric cars** will come into force. The bill implies that electric vehicles will be marked with special number plates in greed font, and their parking lots will be equipped with special road signs and marking.

The sphere of parking services in Ukraine only develops, but even this start serves as a proof for crucial changes that will allow to create civilized market and guarantee modern arrangement of parking areas in our cities.



EXHIBITION PLAN



EXHIBITION COST:

Equipped booth(AREA 9 SQ.M.) – **2 000 Euro****The cost includes:**

- standard booth installation: wall blocks, carpet flooring, 1 table, 2 chairs, fascia with Company name, lighting, wastebasket, access to electricity;
- 5 Company representatives in all events within exhibition;
- option to exhibit rolling stock at open area in front of the exhibition hall - 1 unit;
- Company presentation in business agenda (duration 20 min.);
- placement of your Company logo at the exhibition web- site;
- publishing of advertising lay-out (A4 full color) and Company description in the exhibition catalogue (internal pages);
- invitations to reception \ buffet (for 3 guests);
- all taxes are included.

Non-equipped booth(AREA 18 SQ.M.) – **3 000 Euro****The cost includes:**

- non-equipped exhibition area 18 sq.m.:
- 5 Company representatives in all events within exhibition;
- option to exhibit rolling stock at open area in front of the exhibition hall - 1 unit;
- Company presentation in business agenda (duration 20 min.);
- access to electricity;
- placement of your Company logo at the exhibition web- site;
- publishing of advertising lay-out (A4 full color) and Company description in the exhibition catalogue (internal pages);
- invitations to reception \ buffet (for 3 guests);
- all taxes are included.

REGISTRATION SPONSOR - 3 500 EURO

- 5 guests from Sponsor's company;
- equipped booth 9 sq. m.;
- option to exhibit rolling stock at open area in front of the exhibition hall - 1 unit;
- Company presentation in business agenda (duration 20 min);
- placement of Sponsor's banners (2 units) and branded flags at the Registration Desk;
- branding of the Registration Desk with Sponsor's logos;
- publishing of advertising lay-out (A4 full color) in the exhibition catalogue (internal pages);
- placement of Sponsor's logo on all printed & digital event materials;
- invitations to reception \ buffet (for 5 guests);
- all taxes are included.

Note:

All promotional materials (banners, stationery, brochures, flags, etc.) should be produced and delivered to the venue by Sponsor company.

ADDITIONAL SERVICES:

- Option to exhibit additional rolling stock at open area in front of the exhibition hall – **500 Euro** (for each additional unit).

FOR VISITORS:

Visitors can attend exhibition & conference free of charge on the basis of official registration via event web-site.

FOR MASS MEDIA:

Mass media representatives can attend exhibition & conference free of charge on the basis of official registration via event web-site.

CITY TRANS UKRAINE 2020 PRELIMINARY PROGRAM (IN CITIUS HALL)

2 APRIL 2020
DAY 1: TRANSPORT AND MODERN CITY
Session 1 «Financing of Transport Industry»

- Funding sources for public transport purchase: international institutions and domestic banks
- Involvement of private investors for funding of digital technologies at transport

Round-table discussion «Transport and Modern City» for city authorities and municipal enterprises.
Questions to discuss:

- › Where and at what cost to purchase rolling stock: domestic and foreign manufacturers; loans, financial leasing or city budget?
- › Pros and cons at purchase of new and second-hand rolling stock (buses, trams, trolleybuses)
- › Interconnection of city authorities and mobility operators: transfer from the model of route payment to the model of transport work payment (Poltava, Zhytomyr, Lviv, Kyiv)
- › Mechanisms of transparent passengers calculation, inc. benefit recipients
- › Increase of service level for passengers as an incentive for development and investments into passenger transportation
- › Promotion of public transport among passengers and job-seekers

Session 2 «Buses and Electrobus»

- Manufacturing of electric transport in Ukraine: opportunities for municipalities to renew own fleet faster and cheaper
- Practice of trolleybuses with autonomous pace operation (Zaporizhia, Kropyvnytskyi, Dnipro, Kramatorsk)
- Municipal large-capacity buses as alternative to passenger mini-vans
- Small-capacity buses for transportation between villages and connection with distant housing estates
- The future of electrobuses transportation: strong wish and formation of relevant infrastructure
- Market of equipment and components for electrobus charging: range of goods and prices in Ukraine


3 APRIL 2020
DAY 2: URBAN MOBILITY
Session 3 «Mobility as a Service»

- Development of combined transport scheme (CTS) – long-term plan for cities with population over 100 thousand people
- Neighbors' experience: what elements of urban mobility can settle down Ukrainian soil?
- New technologies for traffic flows planning in big and middle cities
- Implementation of big data technologies to collect passenger analytics
- E-ticket evolution and future unification: (QR-codes, validators with option of plastic card payment, sms-tickets and blue tooth-tickets)

Round-table discussion «Urban Mobility» for city authorities, municipal enterprises and technological companies.
Questions to discuss:

- › Role of city authorities in the development of combined transport scheme (CTS)
- › How to get rid of doubled public transport routes?
- › How to decrease automobilization level and promote public transport among citizens?
- › Which cashless fare collection system should be chosen for your city and how to stimulate people to use it?
- › Trip planning in smart-phone: how to ease the task and simplify the choice of transport for passengers?

Business agenda is subject to change.

ORGANIZER

Business-Forum Ltd specializes in organization of international and regional conferences and exhibitions.

The Company is a part of Metal Expert Holding along with Metal Expert, Metal Expert Consulting, Chem-Courier and PG-online.ru magazines.

Since 2003 we have organized **more than 200 conferences** and **over 40 000 specialists from 70 countries** have attended our events.

We arrange events for the following industries:

- **Urban Infrastructure:** public transport, parking space, urban mobility.
- **Transport and Logistics:** sea and river shipping (Black and Mediterranean Seas, Baltic Sea), rail transportation;
- **Ecology:** waste processing, water and air management.
- **Chemical Industry:** fertilizers, paints and varnishes, petrochemicals;
- **Metallurgy:** flat products and pipes, raw materials, coal.

PARKING UKRAINE 2020 PRELIMINARY PROGRAM (IN ALTIUS HALL)

2 APRIL 2020

Session 1

«Reform of Vehicles Parking in Ukraine»

- Potential of parking services market and perspectives to increase payments into municipal budgets
- Parking inspection service: organization, functions and work standards
- National Police: participation in the control of parking rules and cooperation with municipal inspection services
- Parking services payment and penalties for rules violation: legal aspects and mechanisms to stimulate vehicles owners

Round-table discussion №1

«New Parking Rules in Action» with participation of municipal authorities, parking operators and parking inspection services.

Questions to discuss:

- › How does new parking law work and what has changed in the Ukrainian cities?
- › Municipal plans of parking space development
- › Interconnection of private operators and municipal parking enterprises
- › Tariffs formation, mechanisms to attract investments into parking business
- › Parking inspection services: practical experience of cooperation with patrol police, supply with personnel, equipment and technical means
- › Ways to promote parking services

Round-table discussion №2

«Parking Space» with participation of municipal authorities, parking operators, urban planners and technical experts.

Questions to discuss:

- › Parking spaces in the Ukrainian cities: demand and supply
- › Parking spaces as a part of urban infrastructure: optimum technologies to increase the number of parking lots
- › Construction peculiarities of on-street and underground parking areas
- › Parking space arrangement within existing housing districts: international experience and modern technologies
- › New construction standards and parking space arrangement during construction of housing and infrastructure objects
- › Parking lots arrangement for disabled people
- › Parking services development for electric cars and bicycles

Session 2

«Equipment, Mechanical Systems and Control Means»

Topics to present:

- photo and video control equipment
- tow trucks
- barriers / columns / fencing
- access control equipment
- parking fare collection \ parking meters
- lighting \ LED systems for parking areas

Session 3

«IT Systems and Technical Solutions»

Topics to present:

- reservations and payment systems
- GPS-trackers
- driver information
- intercom systems
- security systems
- hijack alarm systems \ fire safety systems
- ventilation systems

Business agenda is subject to change.



VENUE

NSC Olimpiyskiy
Velyka Vasylkivska str., 55
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www.nsc-olimpiyskiy.com.ua

NSC Olimpiyskiy is the main and the largest sports arena of UEFA EURO 2012, infrastructure meets UEFA requirements to the stadium of "Elite" class.

NSC Olimpiyskiy is the multifunctional arena in the very heart of Kyiv for hosting both sports competitions and public events.

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