

The logo consists of four overlapping, rounded shapes in red, blue, green, and purple, with the word "RUSSEZ" in white capital letters across the center.

RUSSEZ®

DUBNA TECHNOLOGY AND INNOVATION SPECIAL ECONOMIC ZONE

“TECHNOLOGY AND INNOVATION SPECIAL ECONOMIC ZONE
“DUBNA”, JSC

The logo consists of four overlapping, rounded shapes in purple, blue, green, and red, with the word "RUSSEZ" in white capital letters across the center.

RUSSEZ®

Dubna
Special Economic Zone
Technology

SPECIAL ECONOMIC ZONES IN RUSSIA



MANAGEMENT OF THE SPECIAL ECONOMIC ZONES

**Ministry of Economic
Development of the
Russian Federation**

- Implementation of general policy on SEZ (incl. legislation)
- Attraction of potential residents and management companies
- Approval and registration of residents
- Signing agreements with residents and management companies
- Control over execution of residents' agreements

**JSC "Special Economic
Zones"**

**Subsidiaries of JSC
"SEZ"**

- Master-planning and development of SEZ
- Designing and building infrastructure
- Attraction of potential residents
- Management and operation of SEZ
- Granting land to residents
- Connection to engineering networks

INFORMATION ABOUT THE CITY OF DUBNA



Population

- 67 900 residents;
- 1000 PhD, 300 Doctors of Science, 5 Academicians, 2 Corresponding Members of the Russian Academy of Sciences;
- A third of employed population is involved in the field of science and high-tech

Transport Infrastructure

- A104 Moscow – Dubna Highway (120 km);
- Water Route (the Moscow Cannal);
- Railway Route (express trains, regular trains);
- Sheremetyevo International Airport (passenger and cargo) -100 km.



Dubna SEZ



Joint Institute for Nuclear Research



Nuclear Physics

Engineering Design Bureau "Raduga" Dubna Engineering Plant



Aviation and Missile Production
Hypersonic Aircrafts

Electronic Instrumental Plant "Tensor" Research Institute "Atoll"



Digital Electronics

Satellite Communication Center



The Largest Teleport in Eastern Europe

Dubna International University



Educational and Research Center of the Science City



Over 200 Small and Medium Size High-tech Companies

SPECIAL ECONOMIC ZONE “DUBNA”

General Information

Date of Creation: December 21, 2005

Validity Period: 49 years

100 % is owned by the Russian Government

Requirements: projects in developing, creating, manufacturing and realization of high-tech products and services focused on areas of priority in science and technology in Russia

Total Area: 187,7 hectares

- Site №1 “Russian IT-Center”: 135,7 hectares
- Site №2 “New Industrial Zone”: 52 hectares

Adjacent Territory: Residential Area – Programmer’s Township, 330 hectares, planned housing for 30 000 people

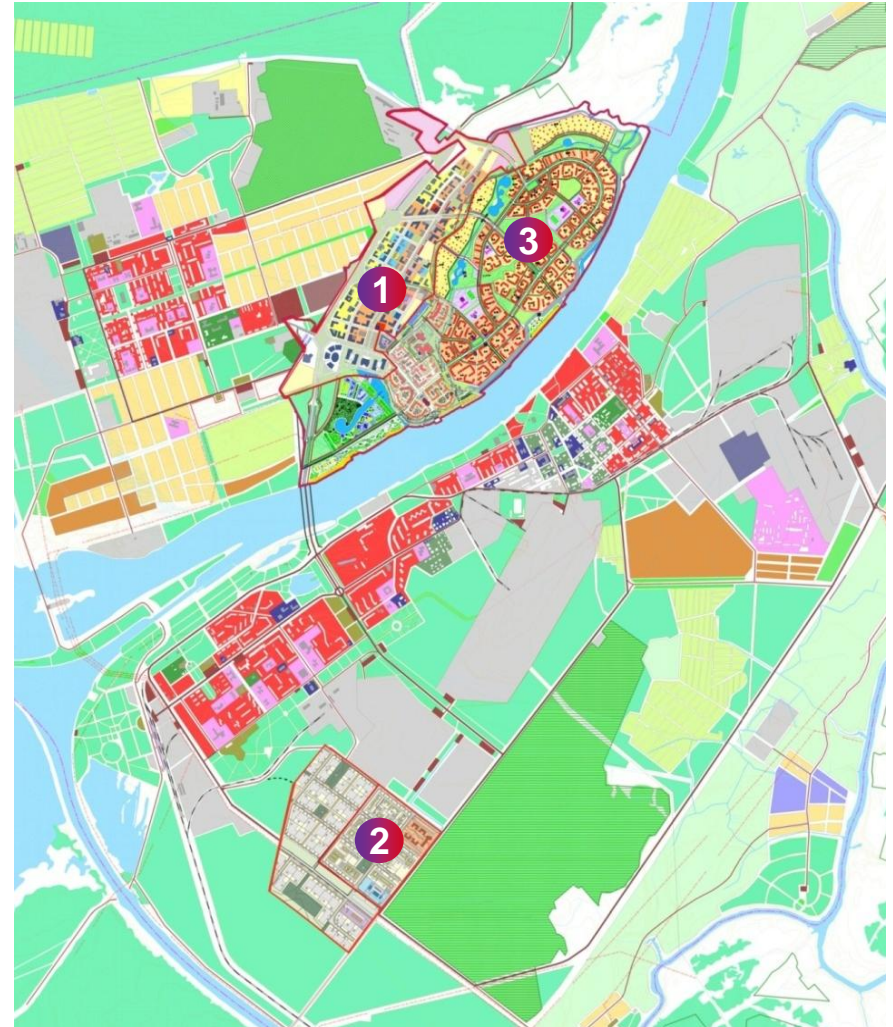
Total Planned Infrastructure Investment: over \$ 530 million

Already Spent: over \$ 316 million

Planned Number of Residents: 230 companies

Number of Residents: 95 companies

Location of Dubna SEZ



SPECIAL ECONOMIC ZONE “DUBNA”

Purpose

To create conditions for the promotion of R&D activities in the areas of priority in the national science and technology

To commercialize R&D findings/results

To increase marketability of the Russian economy

To create a national “point of attraction” for the skilled and promising workforce

To increase the scale of investment into Russian high-tech industries

To build a show case of successful high-tech projects



Competitive Strengths

Dubna is a Russian and a world-recognized center of science and technology. Deep international cooperation

Dubna is a territory of innovative development:

1991 – Technology Park Dubna

2001 – The City of Science Dubna

2005 – Special Economic Zone “Dubna”

Creation and development of Clusters (cluster in nuclear physics, cluster in safety and security, cluster in engineering)

High-speed data transmission channels

Dubna International University

Dubna Nanocenter

Interesting and promising jobs

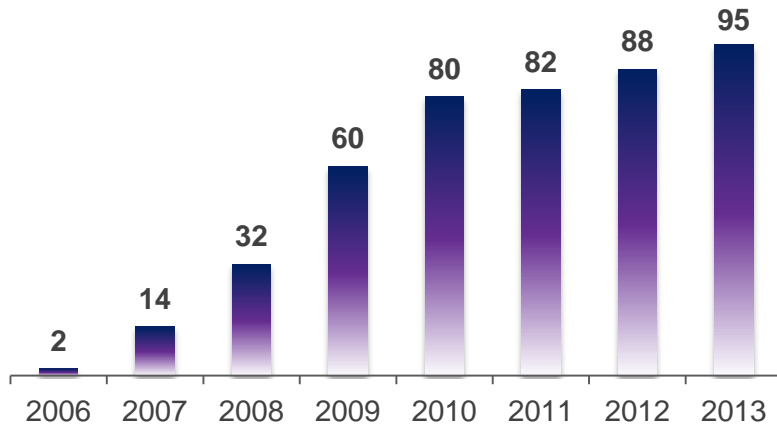
Favorable environment, friendly city

Logistics

SPECIAL ECONOMIC ZONE “DUBNA”

KEY ACCOMPLISHMENTS

Number of Residents over Time



September 2013:

- 95 investors
- 6 international investors: Germany, Japan, Bulgaria, Cyprus
- Private investment exceeded \$81 million
- Total production exceeded \$112 million



INCENTIVES FOR INNOVATIVE COMPANIES

Ready-to-use
Infrastructure

Discounts for Land
Acquisition and Office
Lease

Tax and
Customs
Preferences

Administrative
Support

Tax Preferences

	Russia	SEZ
Profit Tax, %	20	13.5
Property Tax, %	2.2	0
Land Tax, %	1.5	0
Transport Tax (USD/h.p)	0.2 – 5	0
Social Insurance Contributions, %	30	14
Lease of Land	100% Market Value	2% Of Cadastral Value
Acquisition of Land	100% Market Value	15% Of Cadastral Value

Ready-to-use Infrastructure

Infrastructure :

- No fees for connecting to engineering networks
- Electricity, heat supply, water supply, roads, telecom cables

Ready-made Facilities:

- Modern Business Centers, Conference Rooms
- Customs Posts

Office and Land Lease

- Office Lease at discounted rates
- Land Plots for lease or acquisition
- Build-to-suit Lease

INNOVATION AND TECHNOLOGY CENTER



Building №1
Resident Hotel

122 rooms with 172 pax capacity,
incl. 48 rooms for long-term stay

Building № 2, 3
Business Centers

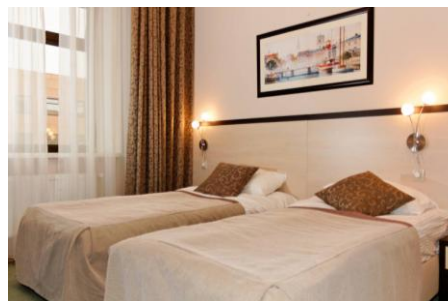
Office space for lease

Building № 4
Dubna
NanoCenter

Business Incubator, Technology Transfer
Center (Management Company),
Shared Use Center with unique research
and testing equipment

Building № 5
Congress Center

Office space for lease
Conference Halls, Meeting Rooms,
Exhibition Area, Cafeteria, Cafe
Dubna SEZ Management staff



NEW INFRASTRUCTURAL PROJECT

BUILD-TO-SUIT LEASE

Technical Specifications

Total area: 10 000 sq.m.

Commissioning in: 2014

Production Facilities

- Ready-to-use production facilities with all utility, transport and telecom infrastructure in place

Lab Facilities

Office Space

- The concept of build-to-suit lease will provide attractive terms for resident companies – a combination of office, production and lab facilities within one complex.

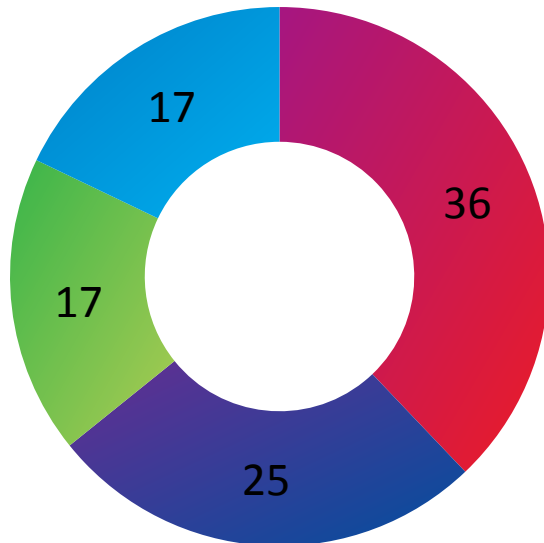
Production and Lab Facility



RESIDENT COMPANIES OF DUBNA SEZ

Priority Industries

- Information Technologies
- Design of Complex Engineering Systems
- Bio and Medical Technologies
- Nuclear Physics and Nanotechnologies



Figures and Facts

Number of Residents: 95 companies

Number of companies planning own construction: 35

Planned Private Investment: over \$ 540 million

Percentage of Foreign Investment: 9 %

Actual Volume of Private Investment: over \$ 81 million

Percentage of Actual Foreign Investment: 10 %

Actual Production: over \$ 112 million

Number of jobs created: over 1200

Number of companies funded by State Corporation
RUSNANO: 8

Number of Implemented Patents: 30

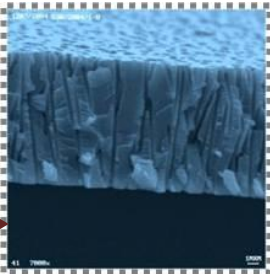
WORLD CLASS EXPERTISE. TRACK MEMBRANES FOR EFFERENT THERAPY



R&P Complex "ALPHA"



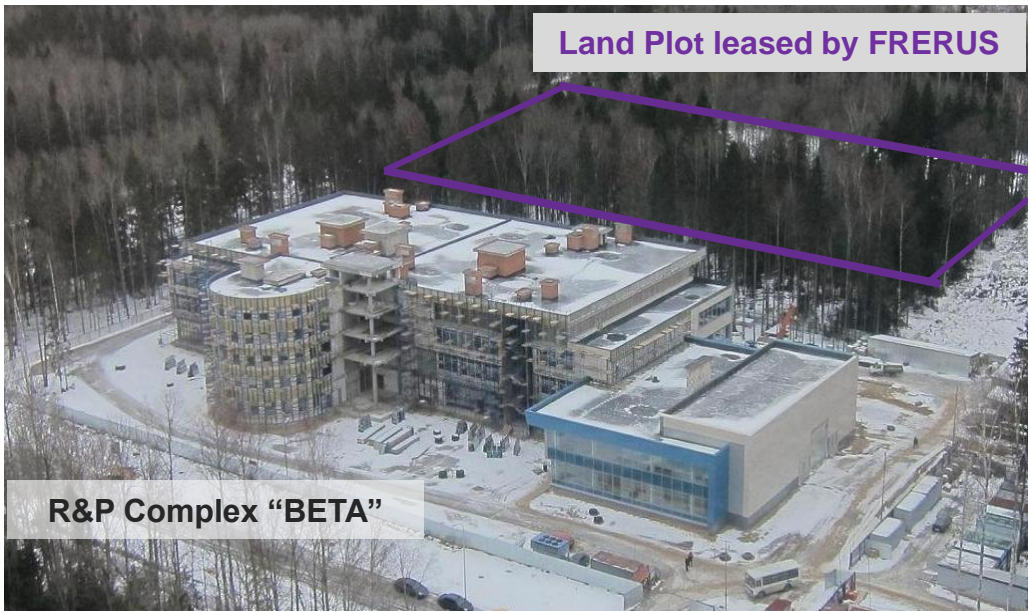
A Fragment of a Track Membrane



A cross section of a track membrane for cascade plasma filtration

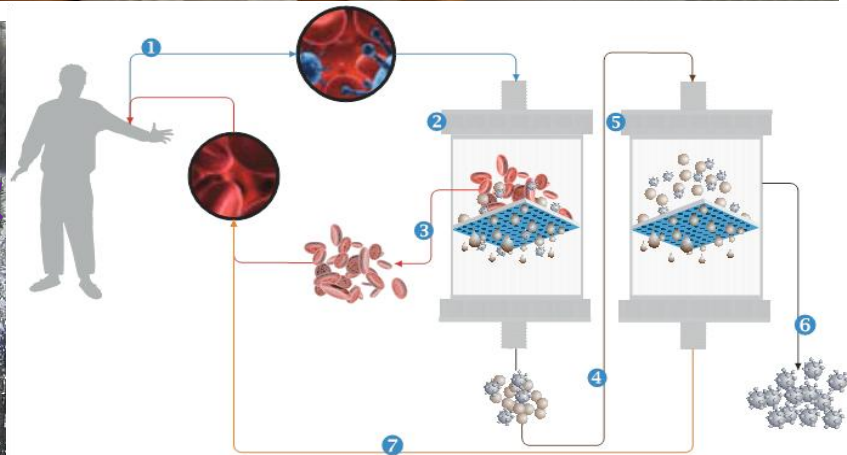


«HEMOFENIX-M»® device is for extracorporeal haemocorrection



Land Plot leased by FRERUS

R&P Complex "BETA"



International Market:

- filtered elements for plasmapheresis and preparation of blood – \$ 2 billion
- devices for hemodialysis – \$ 18 billion

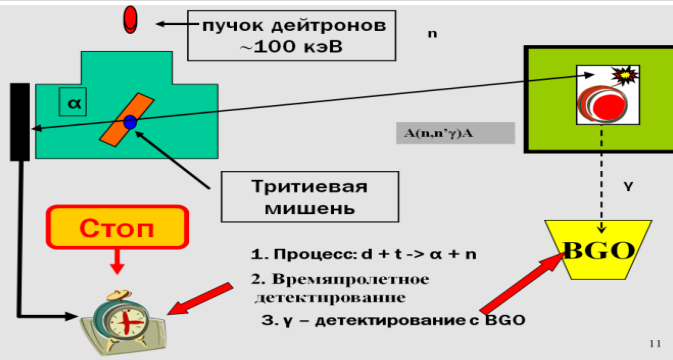
Experts predict the increase in the market of cascade plasmapheresis primarily for the treatment of atherosclerosis.

WORLD CLASS EXPERTISE. TECHNICAL SECURITY SYSTEMS

DVIN, LLC
Neutron Technologies, LLC



“Tagged” neutrons are used for detection and specification of explosives and drugs



When used at the airports, prohibition of liquids is not required



Start-up (RUSNANO + JINR) in 2010
In 2011 70 DVIN1 devices were sold for the total sum of over \$14,5 million

Nordavind-Dubna, LLC



R&D in the field of security surveillance systems and intelligent security systems

One of the products:
Complex automated information system “Safe city” - a centralized urban security system based on intelligent video surveillance, cloud and mobile technologies



SPE “DEDAL”, JSC



Design, development, and manufacture of devices and systems for the physical protection of special civil and military objects (perimeter security systems, security alarm systems, access control systems)



ADDITIONAL COMPETIBLE EXPERTISE:

Color X-ray, seismic and magneto seismic technologies, single wire systems of electric power supply

WORLD CLASS EXPERTISE. COMPOSITE MATERIALS

Research & Production Enterprise
“Applied Advanced Technologies – ApATeK”



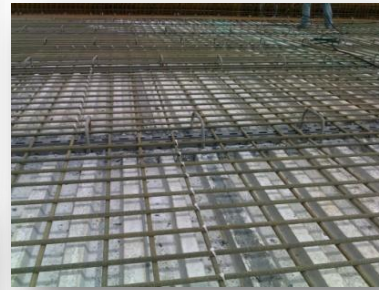
Kamenny Vek, LLC

Manufactures high quality basalt continuous fiber products under BASFIBER® brand name.

Applications: *high pressure vessels, tanks and cylinders, load bearing profiles, wind-mill blades, boats, SMC/BMC parts for automotive industry, concrete reinforcing bars, friction materials, concrete reinforcement*



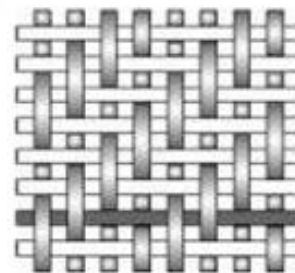
Каменный Век
БАЗАЛТОВОЕ НЕПРЕРЫВНОЕ ВОЛОКНО



Prepreg-Dubna, LLC

ПРЕПРЕГ
ХОЛДИНГОВАЯ КОМПАНИЯ КОМПОЗИТ

Production of carbon fiber based technical fabrics. Carbon fabrics are part of a composite material and are applied in aviation, shipbuilding, civil construction, power generation sector, pipeline transport, & commodity products



WORLD CLASS EXPERTISE. TECHNOLOGIES IN AEROSPACE

RADUGA State Machine-Building Design Bureau



- Develops and manufactures domestic air-to-ground, ship-to-ship, and ground-to-ground guided missiles
- The company also develops and manufactures high-tech equipment for wind-power engineering, agriculture, light, and medicine industries



PROGRESSTECH, Group of Companies



Engineering team of over 1000 highly experienced professionals from various cities of Russia and CIS countries who successfully supported multiple large-scale international engineering projects.

- intellectual services to aerospace and aviation transport industries.
- airports and infrastructures design;

Engineering Support Programs for:

- Boeing 737, 757, 767, 747, 777, 787
- Airbus A320, A330, A380
- Sukhoi SuperJet 100, MS 21
- Cessna Columbus
- Bombardier C Series, Learjet 85
- AutoVAZ-Renault



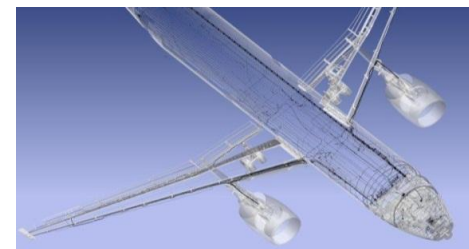
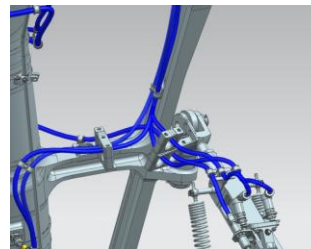
PROMTECH-Dubna, JSC



- Establishment of a competence center for development of aircraft on-board cable networks and systems;
- design, preproduction and production of aircraft on-board cable networks and systems

International Cooperation:

- Aerazur (Zodiac Aerospace, France)
- Fokker Elmo (Fokker Aerospace group, the Netherlands)
- Thales (France)



RESIDENTS WITH FOREIGN INVESTMENTS

ARKRAY (JAPAN)

Research, development & production of cutting edge clinical chemistry & diabetes care products (automatic analyzers, blood glucose test meters, urine analyzers & test strips).

Planned Investment – over \$1 million
Leased Premises – 425 sq. m.



FRERUS (GERMANY)

Research, development & production of dialysis machines, dialyzers, and other dialysis-related supplies.

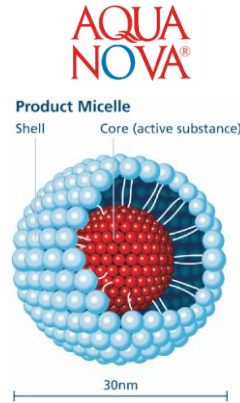
Planned Investment – over \$41 million
Planned Construction – 10 000 sq.m.



AQUANOVA RUS (GERMANY)

Research, development & production of innovative liquid solutions (“solubilisates”) for raw materials & active substances (e.g. vitamins, fatty acids, phytoextracts). The basis are nanostructured carriers – “product micelles”.

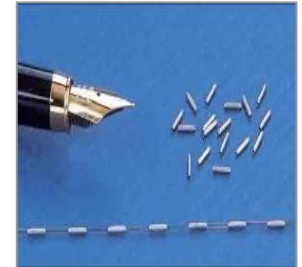
Planned Investment – over \$6 million
Planned Construction – 1 400 sq. m.



NanoBrachyTech (GERMANY)

Development of innovative nanotechnologies for the treatment of cancer by brachytherapy and production of microspheres and nanostructures for the delivery of medical treatment.

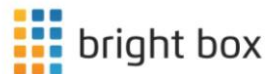
Planned Investment - over \$6 million
Planned Construction – 3 000 sq. m.



bright box (CYPRUS)

Development of IT solutions for automotive industry (manufacturers, dealers, distributors).

Planned Investment– over \$250 000
Leased Premises – 100 sq. m.



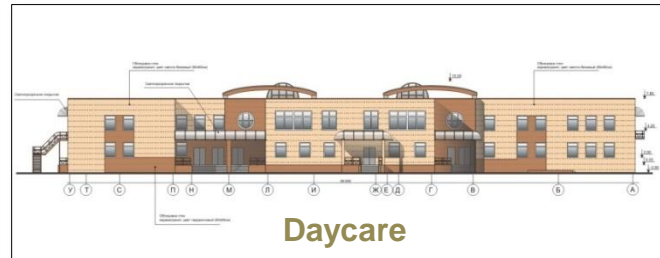
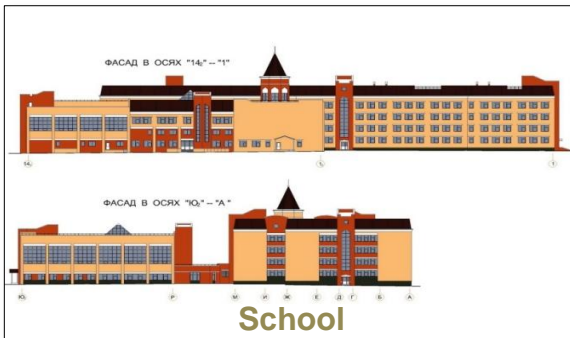
Joint Venture “SODRUZHESTVO” (BULGARIA)

Software Development for automatic management of business process of small and medium sized companies.

Planned Investment – over \$62 000
Leased Premises – 48 sq. m.



SOCIAL INFRASTRUCTURE



STEPS TO OBTAIN THE RESIDENT STATUS



Thank you!

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and Innovative Type “Dubna”, JSC

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