

# SMARTWORLD

## SECURITY

## TOKEN



---

# LEGAL NOTICE

The present Document was drawn up to provide potential partners with basic information about the SmartWorld program. At the same time, you understand and agree that the business model of the SmartWorld program, this Document, and the Subscription Agreement are subject to changes due to the need to comply with the requirements of applicable legislation, which may change during the lifetime of the SmartWorld program.

The information contained in the Document includes forward-looking statements. Such words as "supposed", "expected", "not expected", "goals", "prospects", "plans", "planned", "estimated", "predicted", "intended", and other variants of similar words, phrases, and statements indicating that certain actions, events, results may or will be taken, achieved, or occur usually indicate the forward-looking nature of the statement. However, this is not the only way to show the forward-looking nature of particular information. Forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause the actual performance of the companies implementing the SmartWorld program to be distinctly different from any results contained or implied in the forward-looking statements. The companies implementing the SmartWorld program believe that there are sufficient grounds for such statements. However, buyers of the SmartWorld Security token (SWS token) should not base their decision to participate in the SmartWorld program solely on such statements. By their very nature, forward-looking statements are associated with inherent risk and uncertainty of both general and specific character. In addition, it is possible that assumptions, forecasts, and other forward-looking statements will not come true.

The information contained in this Document is not exhaustive to understand the project concept, it does not bind with any contractual obligations, and it can only be used as a part of the SmartWorld program's marketing strategy. Nothing in this Document can be construed as an investment transaction of any kind or an offer to purchase the SWS token. The information provided by this Document is not for citizens and/or residents of the United States, nor for the countries where the circulation of cryptocurrencies is prohibited. For more information on the terms of the SWS token sale, please study the Subscription Agreement.

Before purchasing the SWS token, it is recommended to consult with your legal, financial, and tax advisers.

The companies implementing the SmartWorld program will make every effort to launch and develop it successfully. Still, they do not provide any guarantee that such a result will be achieved or that the SmartWorld program will meet the expectations of the token buyers and/or participants in the SmartWorld program. The companies implementing the SmartWorld program shall not be liable for any loss that the buyer may incur in connection with the inability to use the SWS token (except in case of intentional misconduct by the companies implementing the SmartWorld program).

---

# CONTENTS

**5**

**INTRODUCTION**

**15**

Section 1

**HISTORY AND DEVELOPMENT  
OF UNITSKY STRING TRANSPORT**

**25**

Section 2

**IMPLEMENTATION  
AND DEMONSTRATION  
OF THE TECHNOLOGY**

**39**

Section 3

**SMARTWORLD  
SECURITY TOKEN**

**46**

**CONTACT DETAILS**

The SmartWorld program is an innovative “green” approach to transport, logistics, production, and energy infrastructure (residential and industrial facilities), aiming to form a technological foundation for the safe and harmonious development of the world in the long-term perspective.



---

# INTRODUCTION

# SMARTWORLD PROGRAM

**The SmartWorld program is a result of longstanding work and research by Dr. Anatoli Unitsky, an engineer and inventor of string transport systems.**

The program is based on the Unitsky String Transport (uST), a prestressed string-rail overpass designed to transport unique rail electric vehicles on steel wheels. These vehicles are referred to by the author as uPods, and they can travel at a speed of up to 500 km/h (in the future – 1,200 km/h in the forevacuum tube).

The SmartWorld program and Dr. Unitsky’s innovative solutions are intended to improve environmental friendliness, speed, productivity, safety, and energy efficiency of transport and logistics complexes. The program makes it possible to change the way urban centers expand and support the rapidly growing world population for decades to come.

## DIRECTIONS

### SMARTWORLD PROGRAM

#### Unitsky String Transport

- Infrastructure
- Linear cities
- Fertile soils
- “Green” energy industry
- Others

**Technology of the prestressed track structure**

## IMPLEMENTATION

### SWS GENERAL LP

**Group of companies created by engineer Anatoli Unitsky, including Unitsky String Technologies Inc.**



**The first stage of the SmartWorld program – development and implementation of uST technology – is already being implemented by Unitsky Group of Companies (UGC) in two test centers.**

**It should be noted that only the engineering company Unitsky String Technologies Inc., which has existed for seven years, employs more than 800 highly qualified specialists.**



**Just like in the last century, highways and airports turned sparsely populated regions into cities, the SmartWorld program changes the way of looking at the modern development of densely populated cities and megapolises.**



Today, settlements are expanding in all directions that requires the construction of many specific and fragmented systems to support urban social life. Water and energy supply, communication lines, roads, as well as residential, administrative, industrial, and other buildings and structures are built in inefficient and expensive "rings". While urban infrastructure fills these "rings", constant effort to combat congestions

and widespread engineering maintenance limit the urban expansion, cause an increase in taxes and utility costs, and worsen the ecological situation and quality of urban living.

The SmartWorld program represents a new approach to infrastructure development and forms a holistic ecosystem, allowing the settlements to be freed from such issues.



# UNITSKY STRING TRANSPORT



Utilities



Fully autonomous electric vehicle

\* Prestressed track structure



Environmental friendliness



Safety



Performance



High speed



Intelligent control system



Minimum land allocation



Epidemiological safety

# LINEAR CITY

**Unitsky String Transport (uST) is a basis for future linear cities. A linear city is a cluster-type urban settlement, where the land surface is intended for pedestrians and green spaces. At the same time, transport, energy, and information communications are located above the ground at the “second level”.**





The key principle for the construction of each infrastructure cluster is a pedestrian settlement for 1,000–5,000 residents with an area of about 100 ha (the planned average size is 1,000 × 1,000 m), surrounded by the natural landscape. There is a dominant in the center of each cluster: a multifunctional high-rise building with the uST station at a height of 25–30 m and higher. These high-rise buildings of the linear city, which are located at a distance of 1–2 km from each other (in the neighboring clusters), are interconnected by a horizontal lift. The lift is the uST string-rail track structure going from one station to another without intermediate supports and with a span of 1–2 km.

Low-rise eco-buildings are located in the ubiquitously green area, within walking distance to the green high-rise buildings. The soil composition is improved by adding fertile live humus obtained from brown coal at the relic solar bioelectric power plants present in each cluster. Such power plants' installed capacity is determined at a rate of 3–5 kW per resident. The waste of solar bioelectric power plants will be living fertile soil of natural composition (such as black soil) on which parks and gardens will then grow, and organic agricultural products will be provided.

- ① Cargo and passenger transportation are fast, safe, and cost-effective due to moving by overhead unmanned electric transport on the prestressed string-rail track structure of the overpass type.
- ② Urban development becomes optimal as new residential estates are connected to the utility networks using a string-rail track structure located at the "second level" above the ground. The proposed structure prevents the problems of widely used underground and aboveground utilities.
- ③ Infrastructure maintenance is managed and centralized, leading to lower costs, taxes, environmental impact, and better living standards.
- ④ The provision of energy-efficient eco-housing. Residential buildings in the linear city will enable unhindered human interaction with nature. Transportation is carried out by unmanned electric transport between the buildings-towers interconnected by string track structures.

More than

**400,000**

people has supported the implementation of the first stage of the SmartWorld program based on uST.

---

Unitsky String Technologies Inc. tests, certifies, and demonstrates Unitsky String Transport in the EcoTechnoPark R&D Center (Republic of Belarus) and the uSky Test & Certification Centre (UAE).



# SMARTWORLD SECURITY TOKEN

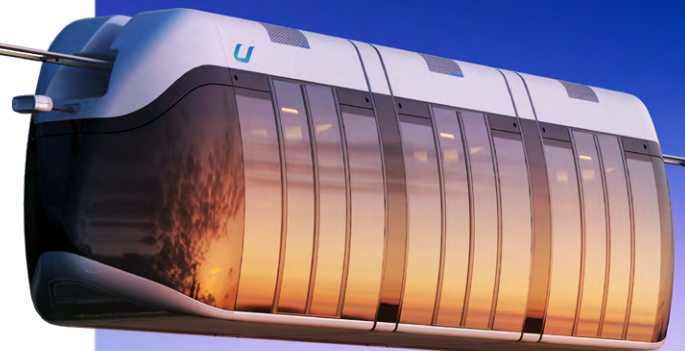
**For the further successful implementation of the SmartWorld program, our SmartWorld Security token is launched. SWS is a tokenized asset giving its holders the right to become our partners and to be involved in the implementation of the SmartWorld program, the goal of which is the environmentally friendly, safe, and harmonious development of humankind.**

**Funds obtained from the SWS token will be used for the following components of the SmartWorld program:**

- |   |  |   |  |   |   |
|---|--|---|--|---|---|
| 1 | Unitsky String Transport research and development; | 4 | uST infrastructure elements;                 | 7 | environmentally friendly and energy-efficient projects; |
| 2 | unmanned transport means;                          | 5 | components of artificial intelligence;       | 8 | structural and software components of the linear city;  |
| 3 | infrastructure facilities and test sites;          | 6 | data processing centers and cloud solutions; | 9 | other activities within the SmartWorld program.         |

## **SWS token provides a number of benefits:**

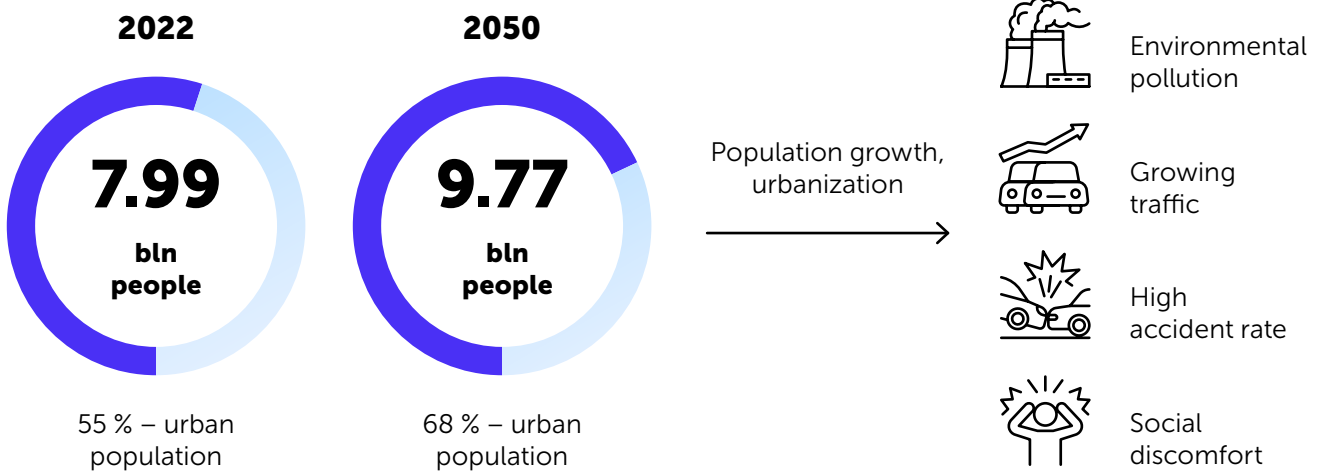
- rights of a limited partner in SWS General LP with the ability to vote on certain issues;
- participation in an emerging and trending digital tool;
- increased liquidity for investors due to the use of a growing security market;
- convenient and secure transactions due to the implementation of the SWS token on the Ethereum blockchain platform;
- safety and transparency of the digital investment tool due to its offering in the form of Security Token Offering (STO);
- annual distribution of payments based on the financial performance of companies implementing the SmartWorld program;
- all assets of SWS General LP will be distributed among limited partners after the liquidation of the partnership;
- possibility to receive rewards and other benefits.



**Beginning from the third quarter of 2022, we invite public to join the implementation of the SmartWorld program and become a part of the forward movement.**

Investors are invited to enter into a partnership with SWS General LP and purchase the SWS token. The SWS token is the first-ever token that is based on emerging technologies providing solutions to transport and infrastructure problems of urban settlements and creating an ecosystem to form a vector of the safe and harmonious development of humankind for decades to come.

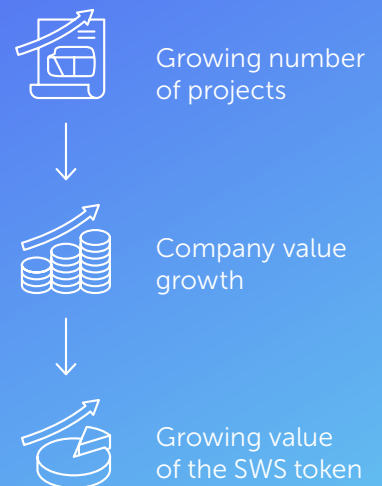
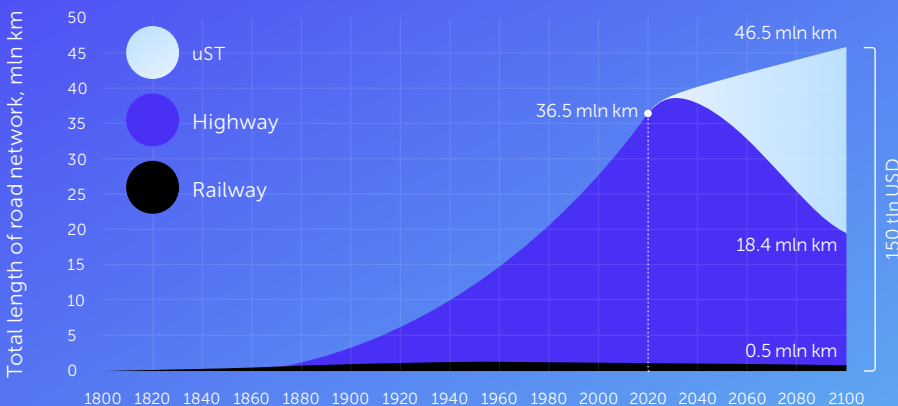
Today, people are faced with an array of global challenges such as environmental, technological, logistic, and infrastructural problems, as well as the issues related to energy and information. Many of them can be eliminated with the help of the SmartWorld program, which will satisfy the desire of humanity to achieve creative potential, comfort, high mobility, and harmony with nature.



DEMAND FOR THE NEXT GENERATION TRANSPORT

**Ground transport market up to 2100**

Innovative transport will supersede cars



---

Section 1

# **HISTORY AND DEVELOPMENT OF UNITSKY STRING TRANSPORT**



I am confident  
of our project's  
success  
because  
we are creating  
an ideal  
transport  
system.

A. Unitsky,  
Engineer and Inventor







# 1977

is the year when the creation of Unitky String Transport was started.

More than

# 1,000

high-skilled specialists of various profiles: engineers, designers, scientists, project designers, process engineers, logisticians, builders, economists, etc. These are professionals with excellent education and work experience in serious projects in the largest engineering, construction, and research organizations of Belarus, Russia, Qazaqstan, UAE, and other countries.

Anatoli Unitsky, a Belarusian and Russian engineer and inventor, devoted his life to the search, development, and implementation of transport infrastructure and energy-efficient solutions that can improve the quality of people's lives. His approach to mobility corresponds to the new way of life that people need so much. The innovative solutions created reduce the negative environmental impacts of human technological activity (including the carbon footprint), increase the safety and efficiency of logistics chains.

Even in his youth, Anatoli Unitsky became interested in the idea of industrial space exploration and the concept of non-rocket geocosmic transport. And even then, he came to the conclusion that first of all it is necessary to solve the problems of transport infrastructure on Earth.

Over the past 50 years, engineer Unitsky and his team have spent more than 10,000 labor man-years, or more than 2 mln man-days, on the uST development.

In 2000, the beginning of the creation of an international group of companies engaged in the development of technology of transport overpasses with a prestressed string-rail track structure for the movement of electric vehicles on steel wheels was initiated. The mission was to solve the problems of the negative impact of transportation and transport infrastructure on humans and the environment at the regional and global levels.

"Cars burn about 3 bln tonnes of fuel annually, causing environmental problems associated with greenhouse gases and ozone layer depletion. All this, along with the factors of transport and infrastructural safety of a person (annually transport takes about 1.5 mln human lives), an increase in the number of Earth's population (it is close to 8 bln inhabitants), and an increase in the number of cars (more than a billion passenger cars up to date) is the reason for which we propose

a new paradigm for humanity. We are creating an ideal form of transport, or to be more precise, the most efficient transport and infrastructure system. For example, in Paris, our "second level" string transport network will cut the time a person spends daily on the road in three times, and every city dweller will spend less time traveling to and from work. To implement the uST systems, we use digital technologies enabling us to innovate and effectively manage our projects."



"Unlike Henry Ford, whose dream was for highways to encircle all continents of the Blue planet, our dream is to develop safe, economical, and environmentally friendly string roads that will operate not only on land but also over the sea. These roads will connect all of humanity with a network of "green" roads – the uNet network. This mission is what inspired me to develop the uST technology. I am confident of the SmartWorld program's success because we are creating an ideal transport system that is already being demonstrated at the EcoTechnoPark R&D Center, Republic of Belarus, and the uSky Test & Certification Centre, UAE."

A. Unitsky,  
Engineer and Inventor





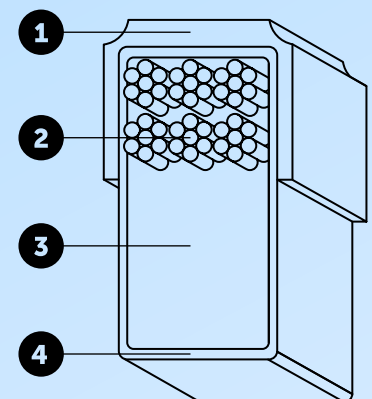
### Numerous technological advantages of uST result from its key system concept: a prestressed string rail.

A string rail is the main component of the overpass type track structure designed for the passing of unmanned electric vehicles on steel wheels, uPods. Steel or composite rails are reinforced with dozens of strings – special tensioned ropes running through the middle of the rail. The continuous string rail stretched between the anchor supports ensures a high steadiness of the track and significantly reduces material consumption for the transport overpass, which comes down to one or two rails. This technology does not require the construction of a solid roadbed or a rail-sleeper grid, which, accordingly, proportionally reduces the cost of building string-rail mainlines.

Unlike automobile and railway tracks, a string transport system located above the ground, can cross mountains, rivers, gorges, pass through the desert, tundra, swamp, sea shelf, and other hardly passable places with minimal environmental impact. Since string rails are a combination of high-strength steel/composite and stressed strings/ropes, the uST track is similar to a delicate overpass of cable cars; however, it is an order of magnitude stronger, more rigid and durable. That is why the cost of its construction is only part of the cost of building traditional surface railways and motor-roads. String rails are highly resistant to hurricanes and earthquakes and are designed for the uPod passing at a speed of 500 km/h and above. These and other advantages make uST an optimal alternative to high-speed railway systems, as well as maglev trains.

Strong rails reinforced with steel ropes with high tension ensure the efficient operation of the transport overpass, in which the string-rail track structure runs at a height of 5–20 m above the ground, and if necessary can rise up to 100 m and higher.

### Version of semi-rigid string rail



- 1 Steel rail head
- 2 String (a bundle of steel ropes prestressed by tension)
- 3 Filler (special concrete)
- 4 Rail body

The distance between the intermediate supports can be

**50–  
2,000** m

and more.

The distance between the anchor supports can be

**2–10** km

and more.

In the event of a disaster (landslide, military actions, terrorist act, and other force majeure situations that can cause the destruction of one or even several supports), the entire transport complex, primarily the aboveground string-rail track structure, will not be disabled. The removal of supports does not affect the continuity and integrity of the track, but will only lead to its increased deformability on an increased span, which the independent suspension of the uPod will cope with. In addition, the combination of rigidity and high tension makes the track structure extremely resistant to wind effect. Even strong hurricane winds capable of destructing, for example, power lines will not have much impact on the string transport support system.

The work surface of the steel rail is exceptionally smooth. The string tension inside each rail reduces the slack caused by gravity while the construction counter-bending eliminates the same. This levels out the unevenness of the track when driving unmanned electric rail vehicles. The smooth surface and slight deflection of the spans of the string-rail overpass make the prestressed track structure technology ideally suited for high-speed traffic (up to 500 km/h and above).

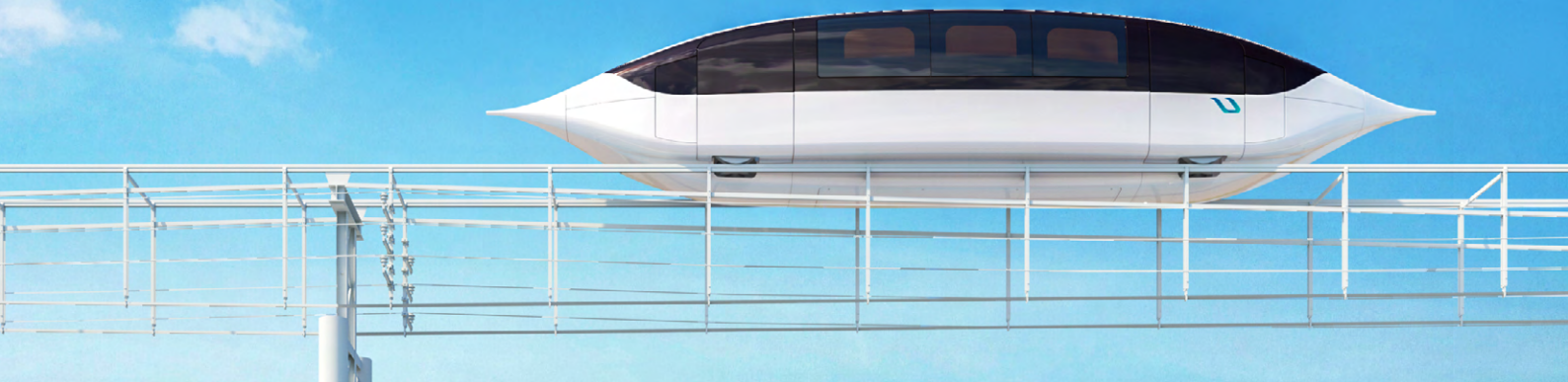


uPods move along string-rail transport overpasses mainly horizontally (with slopes up to 10–15 %). If it is necessary to climb a steep slope, another innovative configuration of wheels and rails can increase their adhesion to each other (wheel sliding force) and thereby ensure movement at a downgrade of up to 100 % or more.

## Examples of the uST efficiency

<b>Fully loaded 20-seater uPod</b>	<b>Engine power</b>	80 kW (107 hp)	200 kW (267 hp)
	<b>Cruising speed</b>	200–250 km/h	390–420 km/h*

\* To achieve this speed, the fastest stock hypercar Bugatti Veyron needed an engine with the capacity of more than 1,000 kW (despite the fact that the uPod is a 20-seater, and Bugatti is a 2-seater).



### **The uPod in uST has a significantly improved aerodynamics compared to traditional ground transport systems due to the absence of a solid roadbed and, accordingly, a parasitic airfoil effect.**

Conventional high-speed cars are subjected to pressure created by the air passing between the roadbed and the car body. As a result, vehicles risk to get off at high speeds. That is why sports cars are equipped with a spoiler to bust lifting strength, and in some cases, the weight of such vehicles may increase.

The high aerodynamic efficiency of uPods, including that due to the exclusion of the airfoil effect in combination with the use of steel wheels, reduces energy consumption (fuel) by 3–5 times at high speeds (about 500 km/h) in comparison with sports cars and high-speed trains, including those on a magnetic or air cushion.

### **Advantages of steel wheels in Unitsky's string transport uPods**

- Low contact stresses (less than 200 MPa) as a result of the wide contact patch (subject to the width of the rail head) in the wheel – rail pair.
- Symmetrical (vertically and horizontally) wear of the rail head with reduced wheel loads and absence of transverse joints in the rail head.
- Low rolling resistance of the wheel due to the narrow (in the rolling direction) rectangular contact spot – in contrast to the wider elliptical contact spot on the railway.
- The absence of sliding in the contact patch (rolling of a cylindrical wheel on a flat rail head instead of rolling of a bevel wheel on a cylindrical rail head, as it is on the railway).
- Independent suspension of the left and right wheels of the uPod (on the railway, the rolling stock has a rigid wheel pair, due to which uncontrolled transverse self-oscillation occurs in the cars).

All uPods are powered by motor-wheels. The team of the engineering company Unitsky String Technologies Inc., under the leadership of General Designer Anatoli Unitsky, has created a highly efficient electric drive system for rail electric vehicles, which uses a motor wheel with a synchronous motor. The wheel motor consists of a wheel, a traction motor built into the wheel, and a braking system.

**Advantages of uPods equipped with electric motor-wheels compared to ordinary vehicles are as follows:**

- the absence of many complex and heavy gear mechanisms between the engine and the wheel: clutch, transmission, driveshafts, and differential;
- excellent dynamics of movement in the entire range speeds;
- simplified design of braking energy recuperation system;
- increased safety when driving at high speeds.



Up to  
**10,000** km

can be overcome by long-distance uPods in autonomous mode, moving at speeds up to 500 km/h or more due to a synchronous motor controlled not by torque, but by the speed of movement.



Since the creation of the Unitsky String Transport, a significant way has been passed in terms of searching for versatile ideas, implementing, and testing the safest and most technically, environmentally, and economically efficient engineering solutions – from the viewpoint of science, designing, materials engineering, technology, etc.

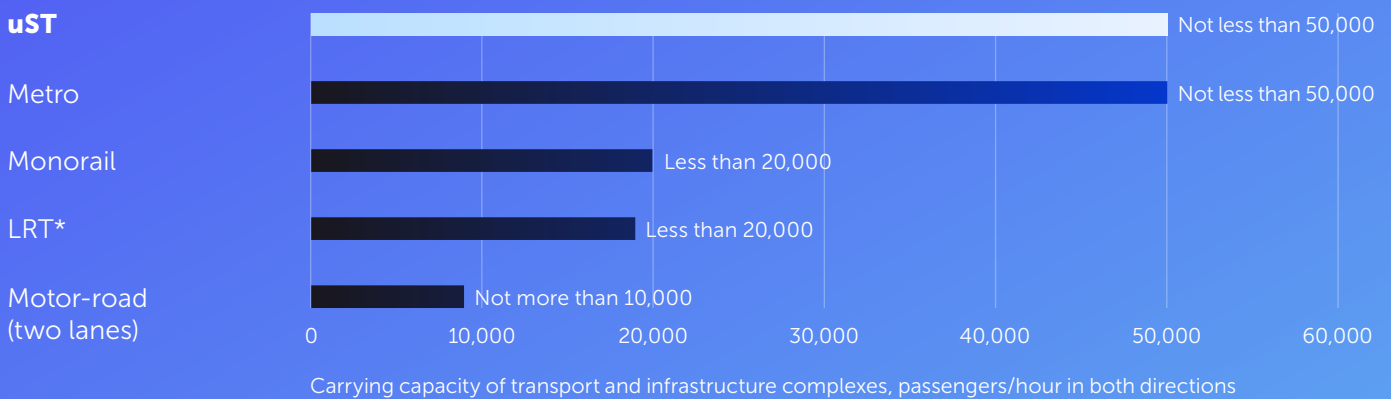
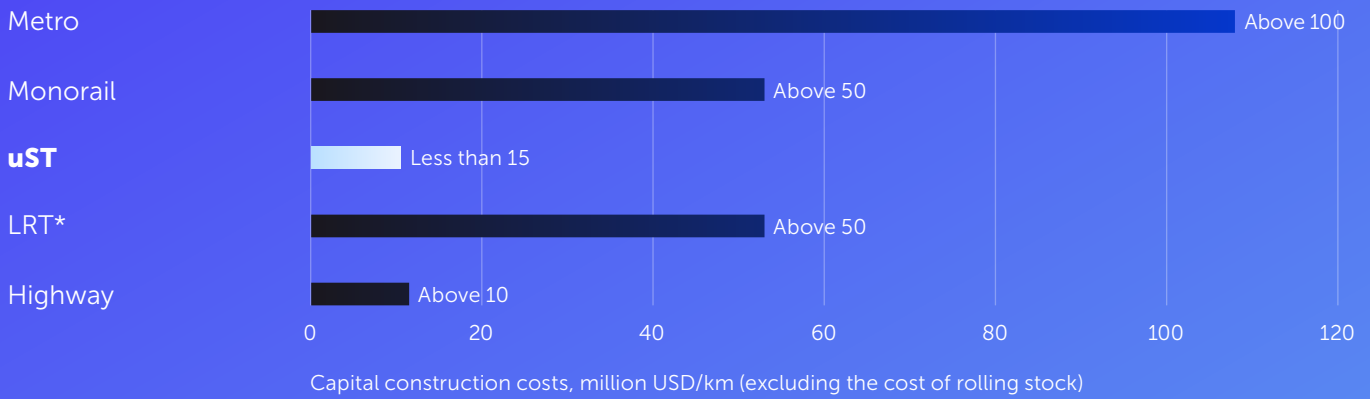
**uST is the most energy efficient and, as a result, the most environmentally friendly (i.e., it is "green" – with an extremely low carbon footprint) compared to air, road, and rail modes of transport and maglev trains.**

Unitsky String Transport is really the optimal transport with almost zero environmental pollution, with minimal noise and the least ecological intrusion into the natural environment of any natural and climatic zone (from the tropics and deserts to the Arctic and tundra), as well as into the existing and newly created infrastructure of cities, including megacities



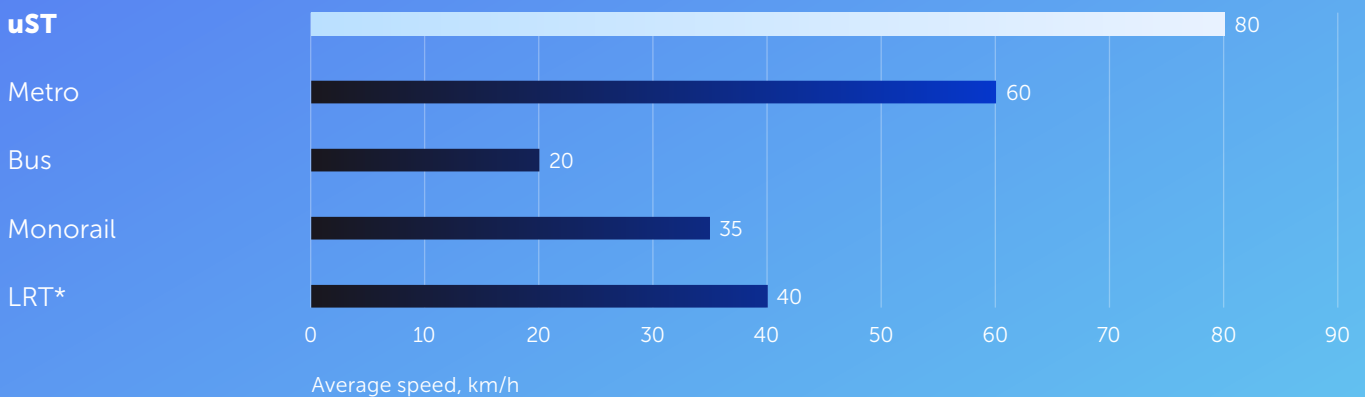
## Cost and productivity of transport and infrastructure complexes

The uST transport and infrastructure complex combines a number of advantages: low cost and high carrying capacity, high speed and safety, comfort and environmental friendliness.



## The fastest urban transport

The average speed of movement (taking into account stops and traffic jams) is the most important parameter for passengers. uST is ahead of the competitors due to its unique engineering solutions.



\* Light rail transport.



---

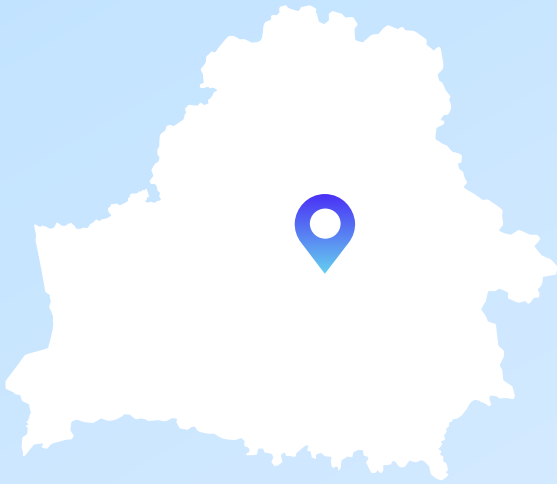
Section 2

# **IMPLEMENTATION AND DEMONSTRATION OF THE TECHNOLOGY**

**Unitsky String Technologies Inc. engineering company implements and improves transport solutions in the EcoTechnoPark R&D Center, Republic of Belarus and the uSky Test & Certification Centre, UAE.**

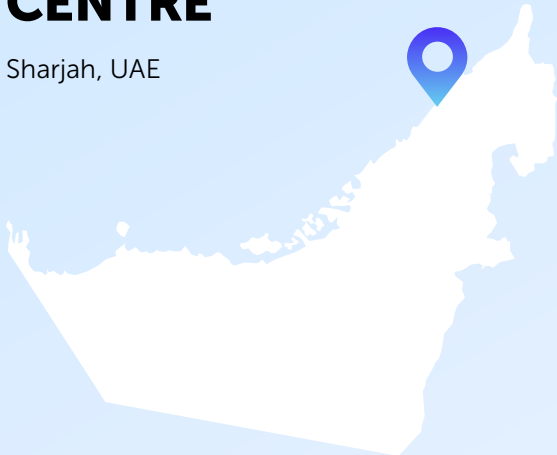
## ECOTECHNOPARK

Maryina Gorka, Belarus



## uSKY TEST & CERTIFICATION CENTRE

Sharjah, UAE





## ECOTECHNOPARK

The R&D Center EcoTechnoPark demonstrates six types of uST transport and infrastructure complexes in the northern version (rigid truss, arched rigid, semi-rigid, flexible, super-light, and cargo string-rail track structures).

To date, three more types of string-rail transport overpasses have been designed to be erected in the EcoTechnoPark. It also presents options for intermediate and anchor supports; components of transport infrastructure (stations, depots, turnouts, automatic control systems, etc.) and two types of cargo complexes.

The center presents 12 unmanned vehicles, which are essentially different in design, driving speed, and capacity: passenger (uBike, uCar, uBus, uLite, uWind, uFlash) and cargo (uTruck, uCont, uTrans) vehicles, four of which have been certified. These vehicles models were designed by the internal engineering personnel in Belarus "from scratch" in a short span of time and for the minimum budget in regard to such a large-scale project; they were manufactured at the own production site with the most advanced equipment, and tested on the test tracks owned by the company and in its laboratory testing center.



An EcoHouse was built based on the “green” technologies with the use of environmentally friendly materials on the territory of the EcoTechnoPark R&D Center. All the infrastructure and logistics facilities of Unitsky String Transport are surrounded by wildlife on fertile soil. These picturesque places are recreated on the site of a former tank training range with an area of 36 ha saturated with gunpowder and diesel fuel. This land renewal is a prime example of the restored ecosystem.

**More than**

**15,000**

fruit trees have been planted in the gardens alone.



The creation and continuous improvement of the EcoTechnoPark R&D Center became possible due to the unshakable fidelity of engineer Anatoli Unitsky to his lifetime project. In addition, more than a million community members supporting the string transport development played a vital role in the project, and over a half of them became investors. The personnel potential of three uST technological schools (scientific, engineering, and design ones) and one investment school was also created from scratch. Annually EcoTechnoPark (except pandemic 2020 and 2021) is open for EcoFest, during which thousands of guests from dozens of countries around the world visually review the latest developments of Unitsky String Technologies Inc.

About

**5,000**

investors from 60 countries visit the EcoTechnoPark during the EcoFest.



## uSKY TEST & CERTIFICATION CENTRE IN THE UAE

The MENA region is currently a priority market for the implementation of uST technology. The innovation center develops solutions for passenger and freight transportation, as well as projects for infrastructure facilities. In 2021, the certification of the first innovative transport and infrastructure complex uSky was carried out. An international certificate of conformity TUV SW was obtained, confirming the safety of the complex, made in a tropical design, which includes: a string-rail track structure; an electric car on steel wheels (uCar in a tropical design) with an automated control system; anchor supports

(combined with station structures); intermediate supports; passenger station; service station (including a control room and repair shop). Certificates obtained in the UAE are applied throughout the entire GCC region.

It is planned that at a later stage, the uSky Test & Certification Centre will become part of the Sharjah Research, Technology and Innovation Park (SRTI Park) and will assume the role of a research and production cluster, whose activities will be committed to breakthrough trends in passenger (urban) and cargo modes of transport of the "second level".



## ROADMAP

EcoTechnoPark (Belarus)

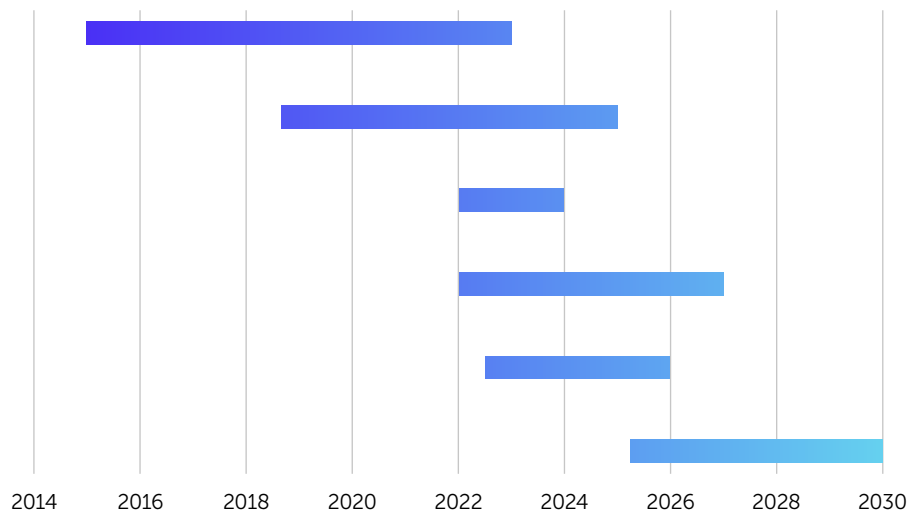
uSky (UAE)

First full-fledged client projects

High-speed transport

Opening of own production line

Opening of representative offices  
in the countries of presence



- New types of string-rail overpasses are planned to be tested at the EcoTechnoPark and the uSky Test & Certification Centre.
- It is planned to build an Innovation Center for high-speed uST (up to 500 km/h).

- Work will be carried out at the production lines on uPods and components of string-rail overpasses and infrastructure, which will be sold through offices established in different countries of the world.



**Unitsky String Technologies Inc. considers the UAE government's goals (to automate 25 % of all transport in the country by 2030) and follows the Dubai Smart City strategy.**

In April 2019, Unitsky String Transport was officially proposed as a potential solution for developing the Dubai infrastructure. The regional administration approved the package of documents submitted by the Dubai Road and Transport Authority. The project provides the construction of a "second level" urban transport system with a total length of 15 km with 21 stations to connect Business Bay, Downtown Dubai, and Dubai International Financial Centre (DIFC). After all the necessary approval procedures are completed, Unitsky String Technologies Inc. can become the general designer and supplier of equipment for the project (including uPods).

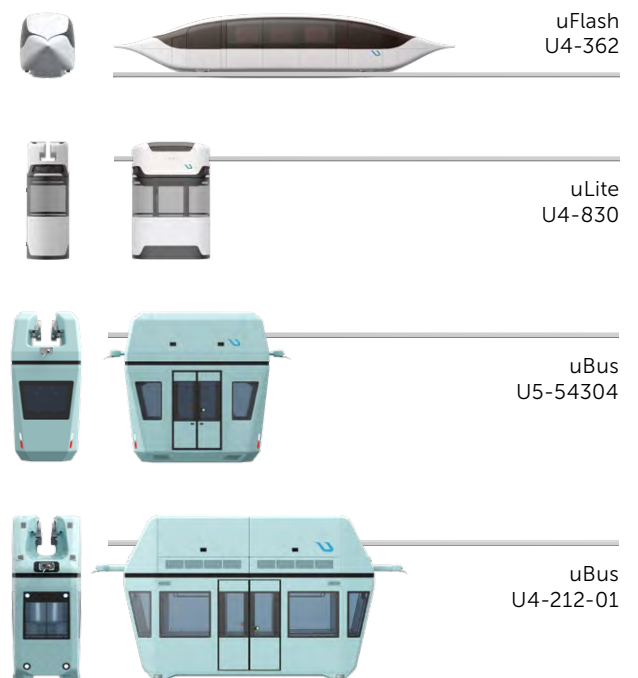


# uPOD

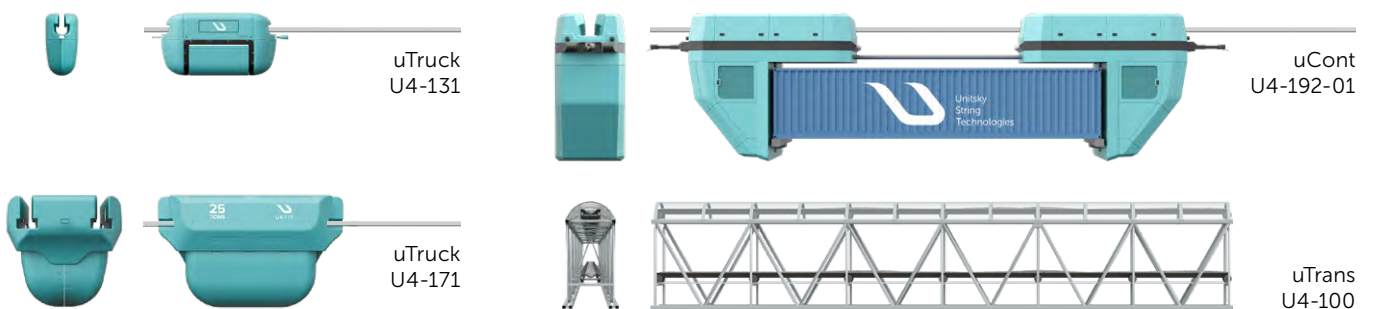
Exclusive unmanned electric vehicle on steel wheels that moves along a string-rail overpass.



## PASSENGER uPODS



## CARGO uPODS



## uCAR

**uCar is a six-seater urban uPod designed to move along a light string-rail track at a speed of up to 150 km/h.**

This double-rail suspended vehicle is intended for long-distance trips of up to 200 km, if necessary – up to 500 km. Several uCars hitched mechanically or electronically may be used as a train with a capacity of up to 60 passengers.

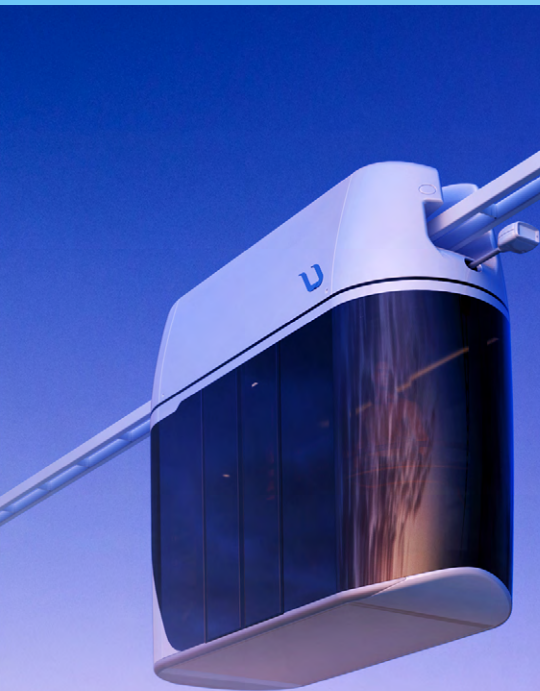
uCar U4-431-01 is a four-seat tropical version of the standard uCar.

In August 2021, uCar was certified in the Sharjah Research, Technology and Innovation Park (SRTI Park). The TUV SW certificate was obtained. The weight of an empty uCar is 4.5 tons, fully loaded – 6.1 tons. The consumption of electric energy per passenger is 0.61 kWh, or 0.16 l of fuel per 100 km of travel.

## uBUS

**uBus is designed for urban and intercity transportation. Its cruise speed is up to 150 km/h.**

Transport modules are available in different versions: mounted or suspended, quadrail or double-rail. The design and layout are determined by the project specifications and the customer's requests. uBuses with a capacity of 14, 24, and 48 passengers have already been developed, manufactured, and tested. Commissioning of a new-generation 25-passenger uBus is currently underway in Belarus. uBuses can be arranged into trains (similar to railcars) with a capacity of up to 250 passengers. The trains can be formed and broken up both at the depot and at the stations, as well as on the tracks while driving.





## uFLASH

**The flagship of Unitsky String Technologies Inc.**

It is designed for international and intercity transportation of passengers and goods, with a cruise speed of up to 500 km/h on a rigid track. uFlash is driven by an electric traction drive powered from a contact system or on-board energy accumulator.

## uTRANS

**Conveyor-type vehicle  
on wheel pairs.**

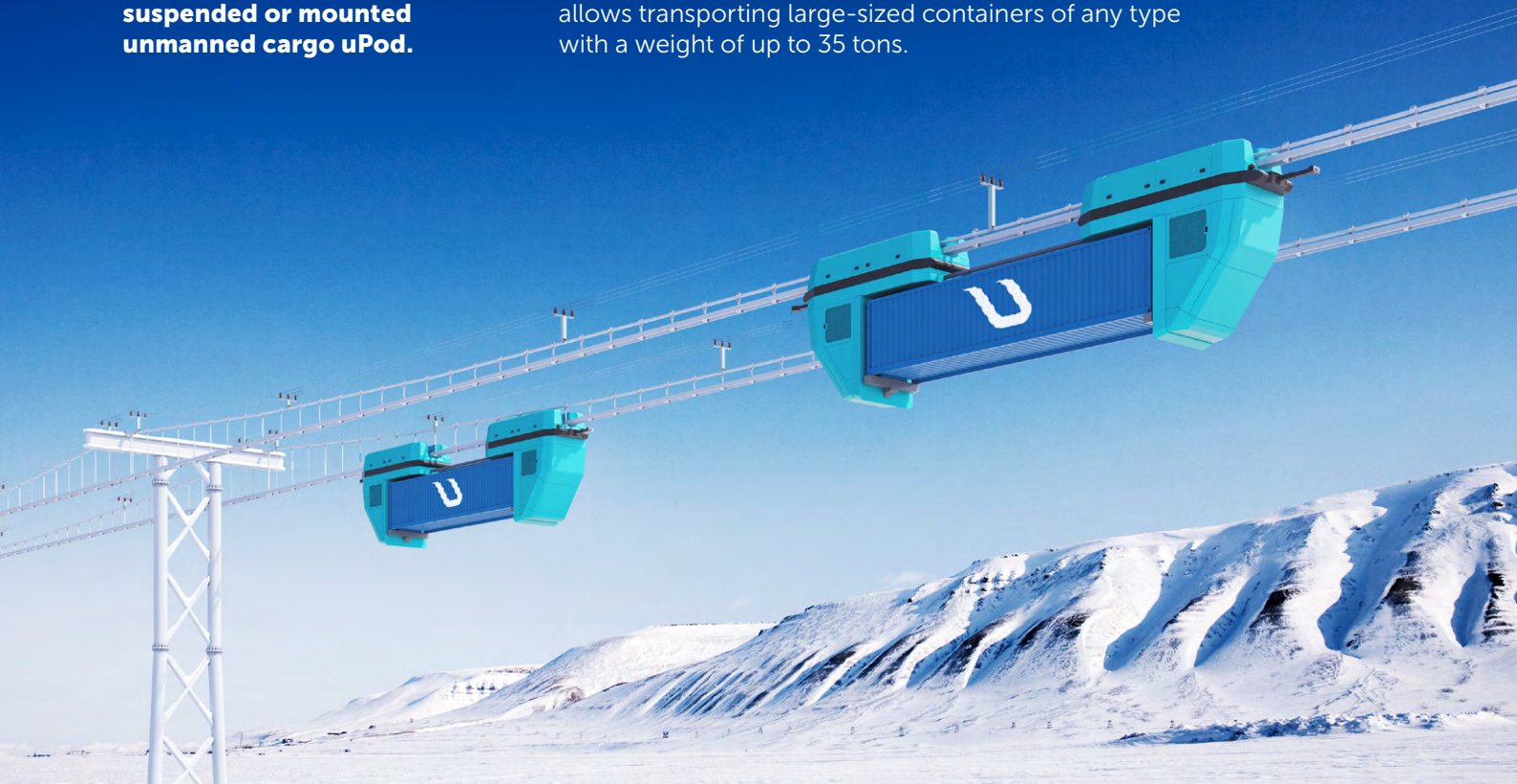
uTrans is an optimal solution for mining sites, loading and unloading terminals, and seaports. uTrans cruise speed is 36 km/h; its maximum productivity amounts to 100 mln tons per year or more. Loading/unloading of bulk cargo is carried out during the movement of an infinite (enclosed in a ring) multi-wheeled vehicle. uTrans can be combined with a line of suspended and/or mounted uTrucks that significantly expands its application.



## uCONT

**Quadrail or double-rail,  
suspended or mounted  
unmanned cargo uPod.**

Its maximum cruise speed is up to 120 km/h with a productivity of up to 5 mln TEU/year and more. It is designed for the transportation of marine cargo containers with a nominal length of 20 and 40 feet. The uCont design allows transporting large-sized containers of any type with a weight of up to 35 tons.



## ECOTECHNOPARK R&D CENTER (REPUBLIC OF BELARUS)

# 6

test transport and infrastructure complexes that are superior to other well-known transport systems.



# 4

models of electric rail vehicles on steel wheels certified by the competent supervisory authorities of the Russian Federation.

# 9

types of transport have been implemented: six types of urban transport, two types of cargo transport, and one type of high-speed transport.

# 103 km/h

is the maximum speed obtained on the test tracks up to now. The short length of the test tracks (the longest is less than 900 m) does not allow the urban uPod to develop a higher speed.

## uSKY TEST & CERTIFICATION CENTRE (UAE)

In August

# 2021

a TUV SW certificate was obtained for a transport and infrastructure complex in a tropical version (with a 400-meter-long flexible track structure).

# 2

uSky complexes with rigid and semi-rigid string-rail track structures with a length of 2.4 km are being built at present.

About

# 10 ha

is the area of the territory, where a light overpass with a flexible track structure and all the necessary transport and logistics infrastructure have already been constructed (the total area of the site is 28 ha).

# 2.4 km

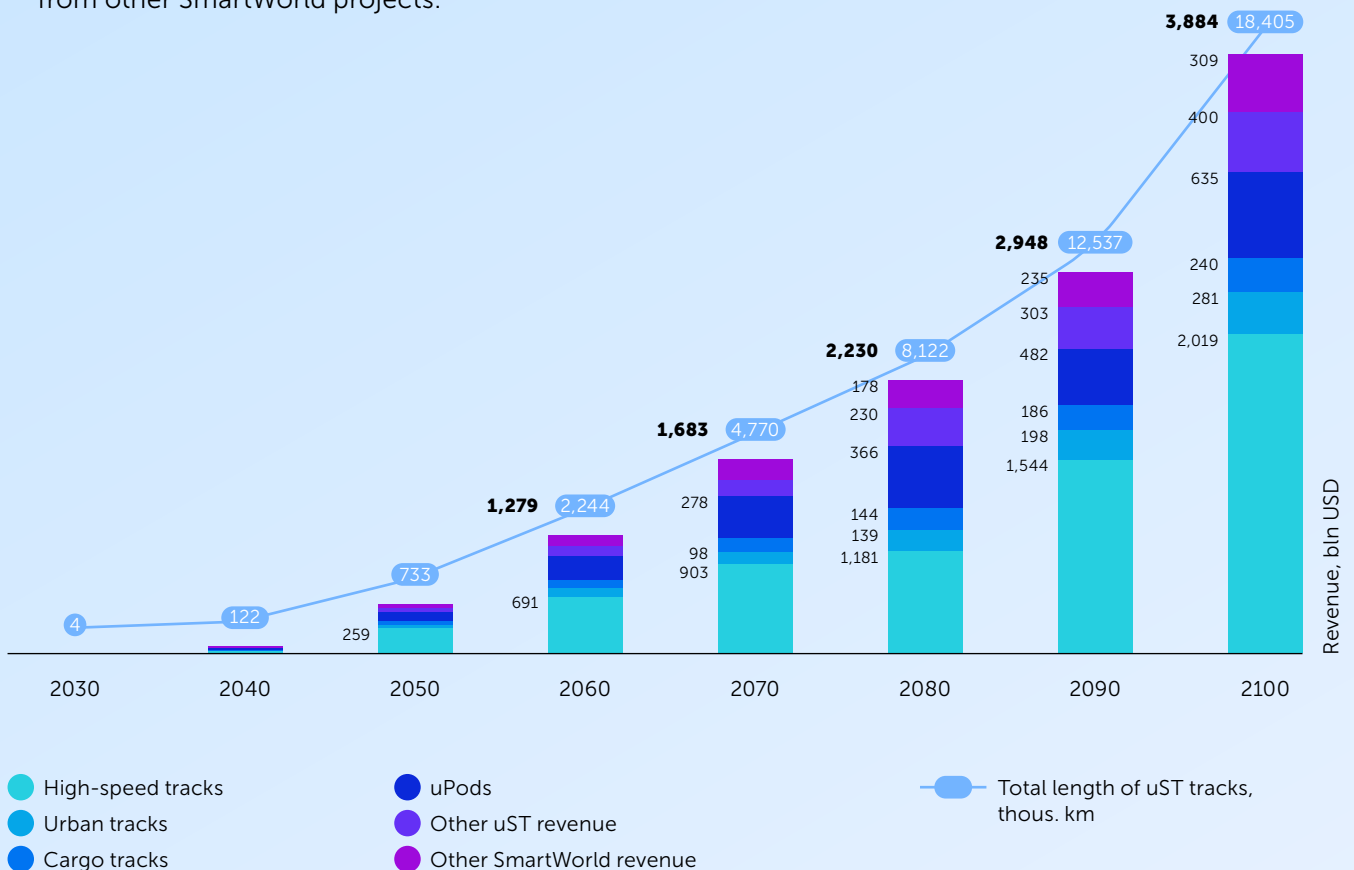
is the length of each string-rail overpass. Such a segment of the route is sufficient for the demonstration and subsequent certification of uPods with a large payload and increased passenger capacities such as uCont (of up to 35 tons of cargo) and uBus (of up to 100 passengers).

## Projects at the negotiation stage

Location	Stage	Passenger complex	Project	Maintenance	Personnel training
Western Europe	Preliminary project	•	•	•	
Middle East	Preliminary project, project stage is negotiated	•	•		•
Middle East	Negotiations in progress	•	•		•
Middle East	Negotiations in progress	•	•		•
Eastern Europe	Negotiations in progress	•	•	•	
Eastern Europe	Negotiations in progress	•	•	•	
South Asia	Negotiations in progress	•	•		•
South Asia	Negotiations in progress	•	•		•

## It is expected that by 2100, the uST complexes will account for up to 40 % of the world's transport infrastructure

- By 2100, the length of the uST routes will be 18 mln km, or 40 % of the needs of world transport.
- UGC will achieve 3.9 tln USD of revenue by 2100: 3.6 tln USD from uST and 0.3 tln USD from other SmartWorld projects.



---

Section 3

# **SMARTWORLD**

## SECURITY TOKEN

The global potential of the SmartWorld program allows expanding the boundaries of the “green” technologies application and introducing the innovative “second level” transport even in remote and inaccessible areas. In addition, this concept sustains a change in the approach to settlements’ development and strengthening their interconnection, while meeting the people’s growing needs. To propel the growth of the SmartWorld program and make the “green” future a reality, we are issuing the SmartWorld Security token.



**SWS is a security token created on the Ethereum blockchain platform based on the most advanced protocol standards to optimize the costs of blockchain transactions, facilitate transfers, and ensure the increased security.**

Hard-coded KYC and AML procedures are essential for the safety and transparency of Security Token Offerings (STOs). The choice of the Ethereum protocol when issuing the SWS token is justified by supporting the most extensive and advanced technological base and minimizing the number of third-party custodians.

Purchase of the SWS token makes its holder a limited partner in SWS General LP. Following the planned integration of the SWS token into authorized

exchanges, the token holders will be able to freely buy, sell, and transfer it, as well as to use the growing security token market to increase available liquidity compared to common market-based investment tools.

The funds received from the SWS token sale will be provided in the form of a loan to the companies and other affiliates engaged in the SmartWorld program’s research and development and the implementation of its technologies.





## APPLICATION OF THE OBTAINED FUNDS

We plan to use loan funding from SWS General LP to finance Capex on infrastructure until we start to get enough money from client contracts to reach self-sufficiency.

### Funds may be used on the following applications



Research, development, and design works on further improvement of Unitsky String Transport.



Unmanned transport production, including both service (uPods) and air traffic security (drones) transport.



Construction of infrastructure facilities and test sites, in particular, forevacuum tube for hyperspeed transport (up to 1,500 km/h).



uST infrastructure elements production, along with automated control, self-generated power supply, and communication systems.

### Strategic directions in the long term



Establishment of structural and software components of the linear city, as well as relict solar bioenergetics (on brown coal and shales).



Environmentally friendly and energy-efficient projects regarding soil fertility and eco-housing.



Development and implementation of artificial intelligence components.



Arrangement of data processing centers and cloud solutions.



Other activities within the SmartWorld program.

### Key features of the SWS token

The offered scope	2.1 bln SWS
The token cost	0.05 EUR
Eligible cryptocurrencies	ETH, BTC
Minimal package	100 EUR
Hard cap / Soft cap	100 mln EUR / 50 mln EUR
Transactions blocking	Prior to the moment of the token listing on the exchange but not more than one year from the date of the token purchase

### Description of the loan for financing the companies engaged in R&D and implementation of the SmartWorld program

Loan term	20 years
Payment of distributions	Annually
Deferral of interest payment	5 years
Average annual interest rate*	4 %
Payment of the principal*	By one payment at the end of the loan term

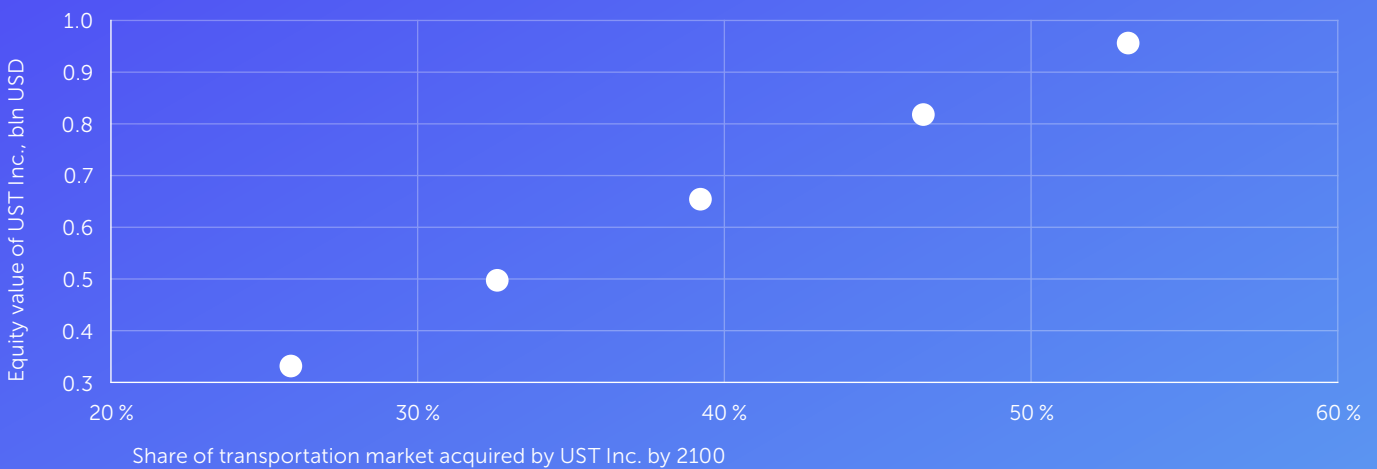
\* Payment of distributions and principal is calculated based on the amount in EUR as of the date of the SWS token purchase and is made in ETH.

#### The SWS token owner does not have the right to manage the companies but can vote on the following issues:

- approval of the General Partner's decision for the distribution of profits;
- admission of an additional General Partner;
- admission of a Substituted General Partner;
- amendment of the Partnership Agreement;
- veto of a call for additional capital;
- the right to provide loans to the partnership;
- consent to dissolution.

## Bright future of the Unitsky Group of Companies implies stable expected returns for SWS owners

- Valuation of UGC mostly depends on its market share but stays positive under a wide range of assumptions.
- SWS General LP will return its loan in any realistic case and SWS holders will get expected 4 % return.
- SWS holders also may benefit from an increase in price of the traded token.
- At the base case assumptions, the Unitsky Group of Companies' equity value is estimated at 603 mln USD which leaves a comfortable space for SWS General LP and SWS holders to get their returns.



## Sensitivity analysis of UGC's equity value (bln USD) to the cost of projects

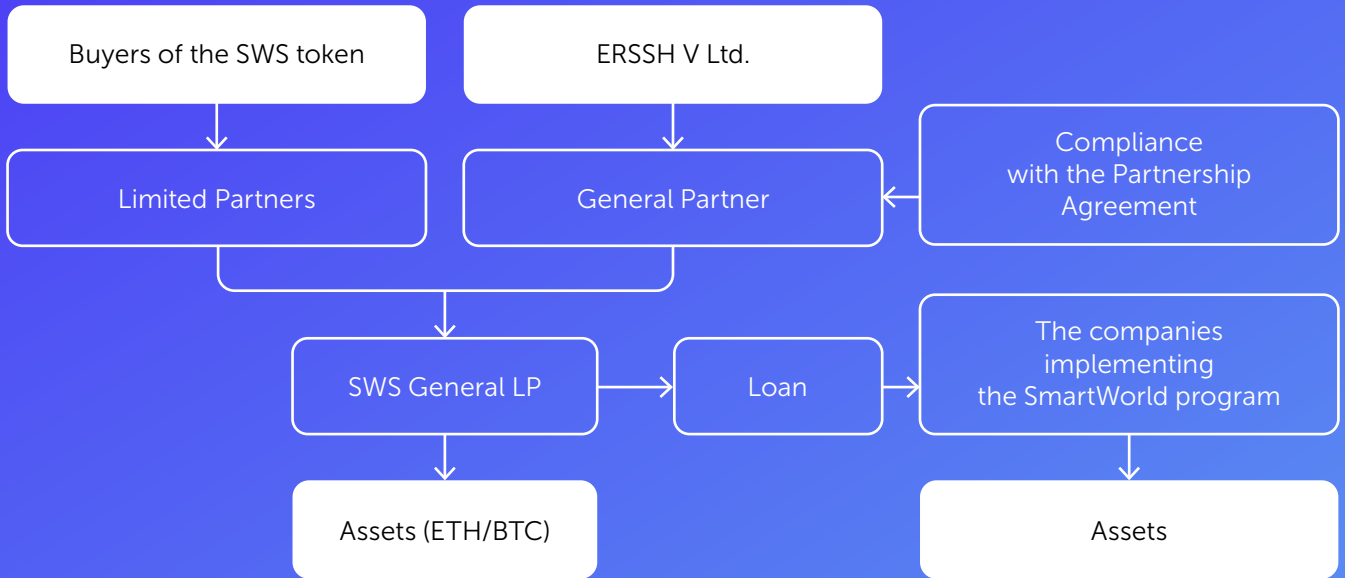
		Cost of the intercity high-speed project for the client, mln USD/km				
		15	20	25	30	35
Cost of a passenger transportation project for a client, mln USD/km	5	0.3	0.4	<b>0.5</b>	0.6	0.7
	10	<b>0.4</b>	<b>0.5</b>	<b>0.6</b>	<b>0.7</b>	<b>0.8</b>
	15	0.4	0.6	<b>0.7</b>	0.8	0.9
	20	0.5	0.6	<b>0.8</b>	0.9	1.0
	25	0.6	0.7	<b>0.8</b>	0.9	1.1

## Sensitivity analysis of the UGC's equity value (bln USD) to WACC

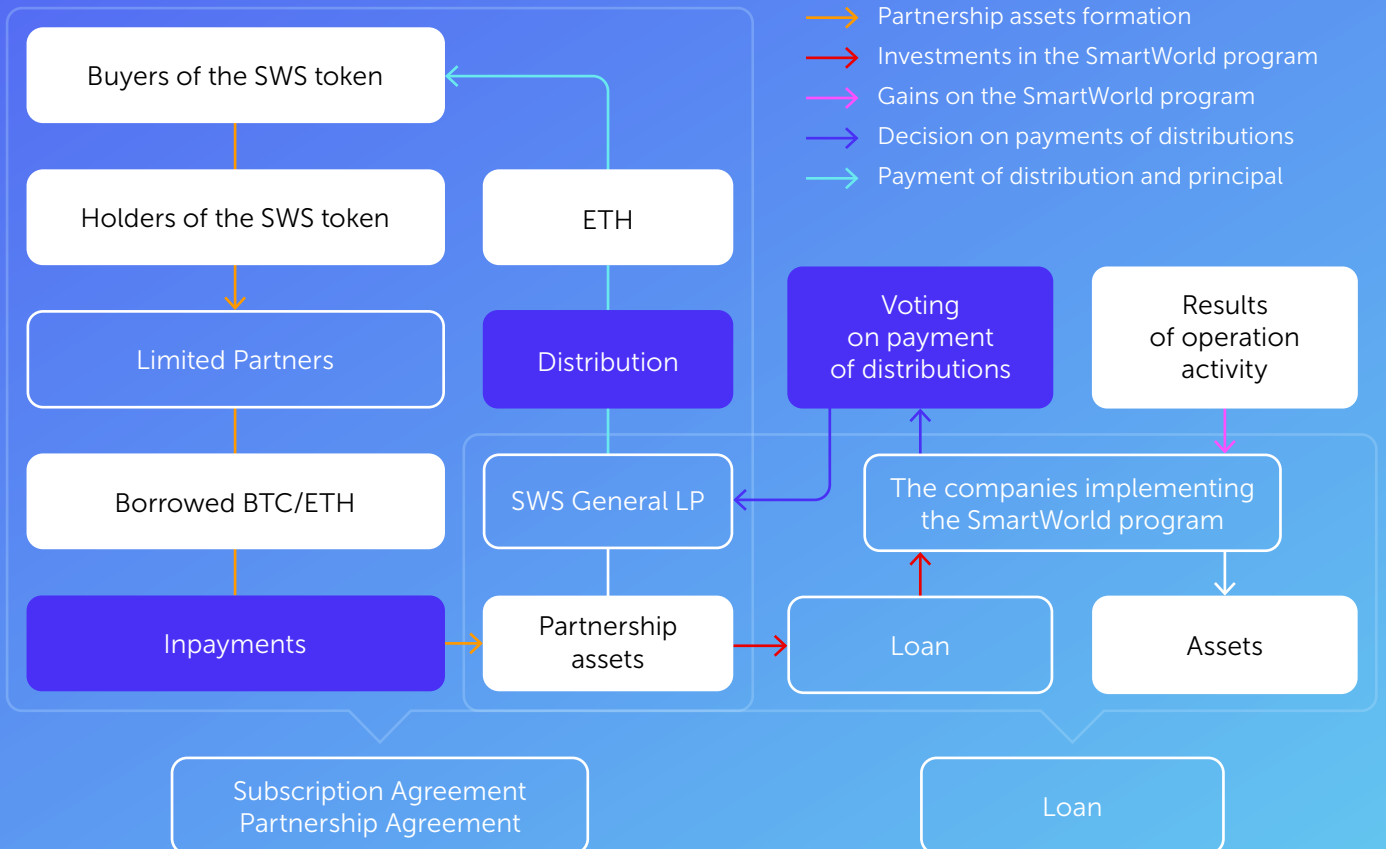
WACC

20 %	25 %	30 %	35 %	40 %
4.46	1.60	<b>0.60</b>	0.21	0.03

### Scheme of interaction between SWS General LP and the companies implementing the SmartWorld program



### Scheme of the funds flow between SWS General LP and the companies implementing the SmartWorld program



Today, more than 4 bln people live in cities.  
In the next 30 years, this figure will grow up by 2 bln people.

**The SWS token is the first security token based on the technologies providing the potential to solve problems and meet the needs of urban centers with rapidly growing populations.**

In the third quarter of 2022, we invite the public to join the implementation of the SmartWorld program and become a part of the forward movement. Firstly, in the third quarter of 2022, the opportunity to purchase the tokens will be available to the current supporters of Unitsky String Transport.

In 2022, SWS General LP will make the purchase of the SWS token available to a wide range of participants.



---

# MASS MEDIA ABOUT US



These futuristic pods could help cities solve their traffic problems

[Read more](#)



Watch: Sharjah to open UAE's first high-speed sky pod network

[Read more](#)



Take a ride on the Sharjah SkyWay

[Read more](#)

The transport by UST Inc. has become in focus of CNN


[Read more](#)

# CONTACT DETAILS

## Euroasian Rail String System Holding V Ltd.

portal@buysws.com  
buysws.com

 SWS Token

 @SwsToken

 @sws\_token

### Technology:

[unitsky.com/technologies](https://unitsky.com/technologies)