

About 40 years ago engineer Anatoly Yunitskiy came up with the idea to create a general planetary vehicle, capable of placing into the earth's orbit millions of tons of cargo in one trip without using rockets. Within the next 10 years active work was done on the first generation of string technologies, which immediately attracted public attention. It resulted in the first publications in scientific journals of the USSR: "Interchange, outer-space, circular", "Into space without rockets" (in Russian), "The planet's Ring buoy" and others. Hundreds of tests and experiments were conducted at the test site, numerous expert opinions were obtained. The joint stock "Yunitskiy scientific and production company" was awarded with three gold medals of the Quality mark "Russian Brand" in the following nominations: "String transport technology", "Passenger module project" and "Cargo module project".

Advantages of the SkyWay transport and infrastructure complex:

- 1** Low net cost of construction and transport service: Construction of the SkyWay transport complex is less costly by 2–3 times compared with railroad (tram) complexes; by 3–5 times – than automobile complexes, by 10–15 times – than a monorail road and by 15–20 times – than a magnetic levitation train, with simultaneous reduction of transport net cost by 3–5 and more times.
- 2** Low power consumption: Power consumption is by 5–7 times lower than in the existing transportation systems that use steel wheels or magnetic levitation; by 15–20 times lower in comparison with vehicles on pneumatic tyres (motor transport) or using air cushion (aircraft, ground effect vehicles, helicopters).
- 3** Minimum land acquisition: The acquisition of land for the transport and infrastructure complex is less by approximately 100 times in comparison with motor-road and rail (tram) systems. Moreover, in case of using a suspended system for communication between urban high-rise buildings there is no costly land acquisition for transport at all.
- 4** Highest safety level: High transport, environmental and anti-terrorism safety, due to the exclusion of intersections, pedestrian crossings and oncoming lanes, where frontal collisions of rolling stock are possible. In addition, the high-rise string-rail track structure has a tenfold safety factor and is inaccessible to vandals, and the rolling stock is equipped with an anti-derailment system.
- 5** High speed performance: Urban transport – up to 120–150 km/h; high-speed intercity transport – up to 450–500 km/h.
- 6** Minimum operating costs: Operating costs are reduced by 5–7 times compared with automobile and by 2–3 times in comparison with railway (tram) transport.
- 7** Lack of harmful effects on humans and the natural environment: The harmful effects of exhaust gases, noise, vibration, electromagnetic and other radiations are reduced by 15–20 times compared with motor transport and by 2–3 times – with rail (tram) and monorail ways.
- 8** Saving time and financial expenses Savings for passengers and cargo shippers: time travel (cargo delivery) within city limits is reduced by 1–1.5 hours per day or by USD 20–30 per day calculated per one passenger or a ton of cargo.