

FORM OF THE INVESTMENT PROJECT

Name of the project	Microwave integrated television and radio information system of multiservice access (MITRIS) Construction of a united (Internet + TV + telephone + video surveillance) cellular digital terrestrial and cable broadcasting telecommunication network based on technology of microwave integrated television and radio information system (MITRIS) in the Kherson region.
Name of the company *	Limited Liability company TRK Tehnosistema
ID (registration) code *	32479739
Form of property * State property share (%)	Limited Liability company
Company's: * mail address phone fax e-mail	Ukrainskaya str. 36m, Kherson, Ukraine 73013 +38-095-487-92-12, tst_kherson@ukr.net
Head of the company: * position full name phone	Sergiy Ieligulashvili, director +38-095-487-92-12, tst_kherson@ukr.net
Contact person for the project * (preferably English speaking): position full name phone fax e-mail	Maksym Ieligulashvili +380666244077 mieligulashvili@gmail.com
Main activities of the company	
Authorized capital (US \$)	
Number of personnel	
Trade turnover by main assets (US \$)	
Description of the investment project *	<p>Construction in the Kherson region of a single retransmission network of the HDTV (high definition television) digital standard, up to 200 TV channels, construction of the Internet and data transmission networks (Email + video surveillance, corporate networks, fixed digital telephony, IP telephony) with 100% coverage of the area, using a frequency range 11.7 -12.5 GHz</p> <p>The project proposes to build the core «MITRIS" network (4 base stations, 11 repeaters, mini-transmitters to cover the shadow areas) during the 1st year. It is proposed to build the network in three stages.</p> <p>First stage - 100% coverage of the region with the digital television and radio broadcasting, Internet network in cities Kherson, Skadovsk, Genichesk (radius of 25 km.). The cost of</p>

	<p>phase is 3 mln. 500 thousand Euros</p> <p>Second stage - the Internet network coverage in the area of the triangle Genichesk-Skadovsk-Belozerka. Estimated cost - 2 million 900 thousand Euros.</p> <p>Third stage - the Internet coverage in the rest of the region. Estimated cost - 2 mln. Euros.</p> <p>Along with the construction of each phase the core peripheral network of subscribers will be created.</p> <p>Implementation of television product of HDTV standard 100% coverage of the region with a united Telecommunication Network (Internet + TV + Phone + video surveillance). This offer "three-in-one" is the first of its kind in the telecommunications market of Ukraine.</p> <p>In addition, as for Ukraine in general and Kherson region separately the usage of "MITRIS" technology is fundamental for participation in the "Wall" project on the administrative border with ARC. We can build electronic frontier depth of 25 km. using the most advanced means of supervision and can construct online points of surveillance.</p> <p>According to the "Strategy of building of teleinformation space of Kherson Region" coordinated by the National Council of Ukraine on Television and Radio on September 21, 2016 TRC "Tehnosystemi" is entrusted to build the network in 2016-2017.</p>
<p>General volume of investments (thousands of US dollars), including:</p> <ul style="list-style-type: none"> - State funding - own funding - needs in investment capital * 	<p>State funding – 0,00 own funding – 45,000 needs in investment capital – 9 600 600,00</p>
<p>Form of investment *</p>	<p>Direct investment</p>
<p>Project payback time</p>	
<p>Profitability index, %</p>	
<p>Additional useful information, comments</p>	

* - позиції, обов'язкові до заповнення. У разі відсутності зазначеної інформації запит опрацьовуватися не буде.

Разом з заповненою формою надсилається бізнес-план проекту, додаткові презентаційні, інформаційні матеріали тощо в електронній формі, англійською мовою або мовою країни, до якої надсилається пропозиція

Innovative Kherson Region: steps on implementation



LLC Tehnosistema

Name of the project

Construction of a united (Internet + TV + telephone + video surveillance) cellular digital terrestrial and cable broadcasting telecommunication network based on technology of microwave integrated television and radio information system (MITRIS) in the Kherson region.

Innovative components of the project

- Implementation of television product of HDTV standard 100% coverage of the region with a united Telecommunication Network (Internet + TV + Phone + video surveillance). This offer "three-in-one" is the first of its kind in the telecommunications market of Ukraine.

Development of technology and equipment – Ukrainian production



JV Institute of Electronics and
Communications of Ukrainian
Academy of Sciences

Supervisor of scientific and technical work к.
т. н. Academician of the Ukrainian Academy
of Sciences **Narytnik T. M.**

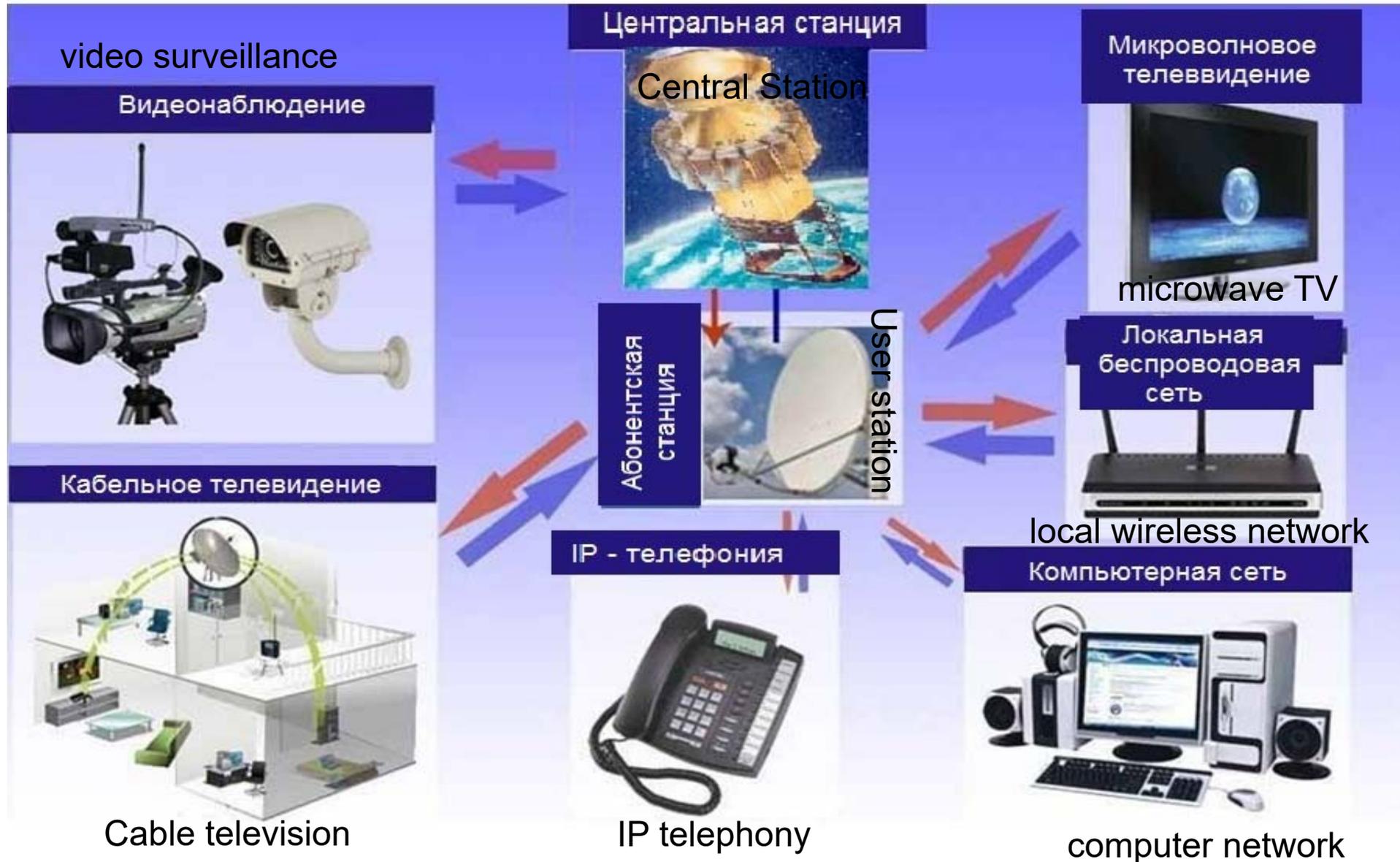
Product

Complex of equipment for providing wireless multi-service access to information services



Retransmission in the broadcasting and cable networks, in the digital mode and HDTV standard of up to 200 television channels, the Internet and transmission of video data in a single network with 100% coverage of the Kherson region.

Spheres of implementation:



Basic numbers of the project

The project pays off with the monthly subscription fee.

The marketing strategy is based on building our own branded retail network.

Payback period of 50 months.

The total cost of the project -
8 million 400 thousand Euro

Marketing information:

In the Kherson region outside areas of coverage of cable television and internet networks there are 46 thousand apartments, 250 thousand private households, about 40 thousand 798 rooms in boarding houses on the coasts of the Azov and Black Seas, 55-65 thousand of potential subscribers in 553 schools of the region and 4486 budget organizations. The total number of subscribers for these types of activities is about 350-400 thousand.

Perspectives of MITRIS development

1. National project "Open World"
2. The concept of "Safe City"
3. The concept of "Smart City"
4. National Strategy "Development of television and radio space in the Kherson region and Crimea»

The realization of this project will promote the development of national information and telecommunications infrastructure based on the MITRIS technology (According to the statement of Cabinet of Ministers of Ukraine №294 dated 12.03.2012).

Directions of development

FIRST

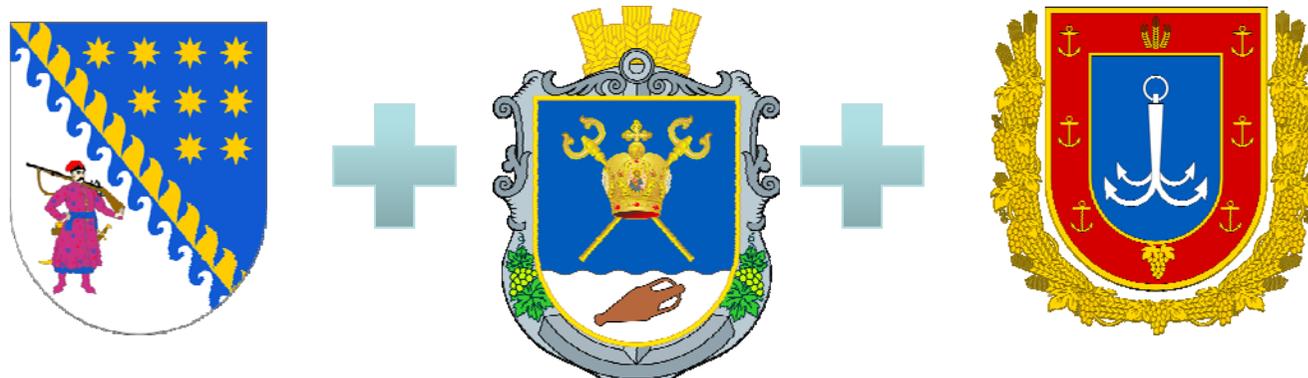
The agreement of synchronization networks TRC

"Zahidteleservis" m. Lviv



SECOND

Implementation of the idea of "Southern way" - a common telecommunication space





**DIGITAL BROADCASTING WILL BE
READY ON
30/06/17**