





CONDITIONS OF UKRAINIAN ECOLOGY



CONDITIONS

On the UN environmental map, Ukraine is painted black - this is the color of the country where the nation dies out. They say that Ukraine is one of the "dirtiest" countries in Europe: "there are about 500 tons of accumulated municipal solid waste per resident». The overwhelming majority of Ukrainians (75%) drink contaminated water, breathe polluted air (each resident obtains 85 kg of harmful emissions per year), live on depleted soils - some of the eroded lands already accounted for 57.4% of the country's area.

As a result of such a difficult environmental situation, the population of Ukraine is continuously decreasing over 10 years - by 4.1 million people. The life lifespan of men in Ukraine is 8-12, and women is 4-7 years less than in developed countries. Ukrainians are getting sick more and more - the number of healthy people fell from 62.2% in 1990 to 39.6% in 2003 and to 25% in 2014. Mortality of children under the age of one year is constantly growing.



CONDITIONS OF UKRAINIAN ECOLOGY



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The country is in deep environmental crisis. The state of market economy, the creation of an independent integrated economic complex did not lead to positive shifts in nature management and environmental protection. In modern conditions, we have an ineffective, outdated environmental and economic production potential, an insufficient legal framework for environmental protection and economic incentives to rationalize nature management.

The current stage of social and economic development determines the need for a deep analysis of theoretical concepts and practical models for organizing the economic life of society, determining the dominant trends in economic development.



UNREGULATED MARKET

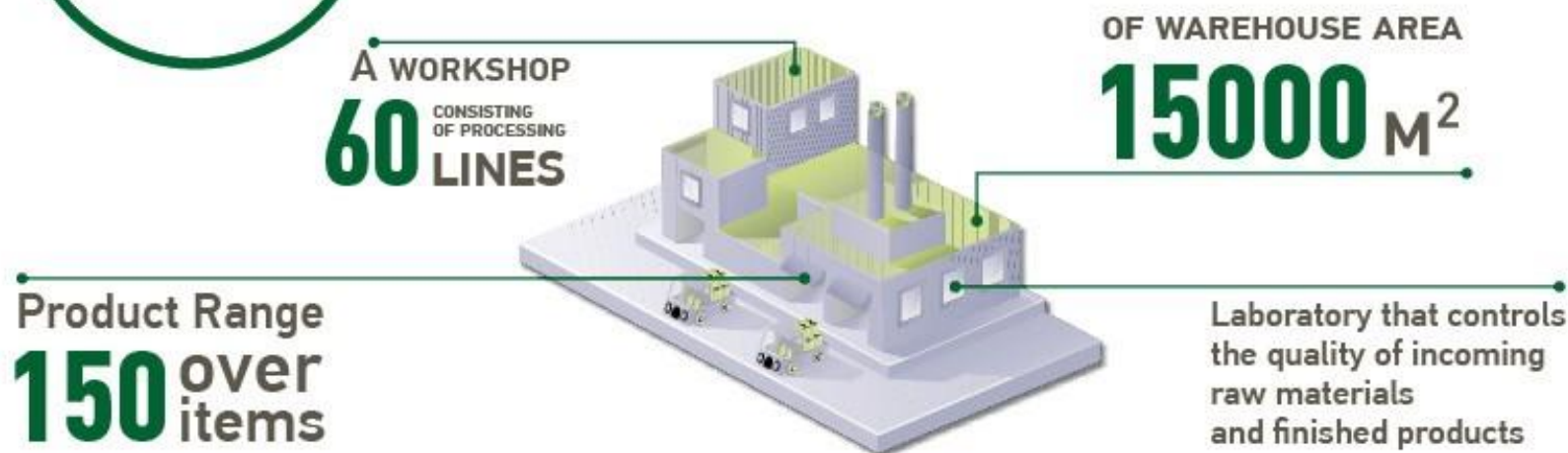


On the waste market of Ukraine annually receives more than 13 million tons of containers made of plastic, metal, glass and other materials. Most of this packaging goes to landfills as household waste. According to forecasts of international environmental organizations, by 2025, 17 million tons of waste will accumulate in Ukraine.

Why is everything so bad with waste? The waste management industry is literally underfunded and unregulated. It is impossible to subsidize it only at the expense of the state budget. If the state begins to control power, it collects taxes and decides how to use them, so corruption risks arise. That is why in developed countries the waste management industry is financed by its "polluters" - people and business.



UKRAVIT CORPORATION



The main activity of UKRAVIT Corporation is its own production of modern and highly effective pesticides, including fertilizers with microelements and means for the destruction of household pests according to quality standards ISO 9001, ISO 14001, OHSAS 18001.

The «Agrochemicals Factory», a part of the UKRAVIT Corporation, is the domestic production No 1 of plant protection products and complex highly concentrated liquid fertilizers with optimally selected macro-, meso-, micro- and ultra-micro elements in chelated form.

Guided by the principle of “Prosperity through Technological Advantage”, UKRAVIT Corporation makes significant efforts to constantly modernize its production facilities and develop its scientific potential. This is a huge modern production, occupying 7.2 hectares. As well as the R&D Centre, which occupies 2.5 thousand square meters.



INTERNATIONAL CERTIFICATES



CERTIFICATES

We strive for the highest quality production. UKRAVIT Corporation has been repeatedly recognized as the best production complex in its industry in Ukraine.



CORPORATION ACHIEVEMENTS

20 YEARS
ON THE
MARKET

PRODUCTION
9 000+
tones per year

OVER **150**
PRODUCTS


3 500 000 ha
MORE THAN 3 500 000 HA ARE PROTECTED WITH
OUR PRODUCTS

ACHIEVEMENTS

**THE LARGEST
TAXPAYER
IN CHERKASSY
REGION**

**VERTICALLY
INTEGRATED
BUSINESS**

R&D CENTRE

**INTERNATIONAL
COOPERATION**

**SERVICE
CENTRES**

Today, the UKRAVIT Corporation is the largest taxpayer in the Cherkassy region. We have built a vertically integrated business that develops not only the agricultural sector, but also the food and pharmaceutical industries.

We develop science, create special programs and grants for scientists. Our projects are implemented not only in Ukraine, but also in other countries, for example: Georgia, Moldova, Armenia, Ethiopia, Uzbekistan.



RESPONSIBLE BUSINESS



SOCIAL

In 2017, based on the prevailing difficult environmental situation in the country, the corporation management decided to create a set of programs and activities dedicated to combating the disposal and recycling of waste such as plastic and unusable pesticides.



UNIDO PROJECT

The UNIDO project is very important for us and of course for Ukraine. We strive to implement all project requirements and we are close to make it real.

UKRAVIT Corporation closely cooperates with the Ministry of Natural Resources and Ecology of Ukraine, international organizations involved in environmental issues, and is actively involved in the implementation of several national programs in Ukraine. However, there is no ODS collection system yet, experience with hazardous substances certainly exists. For example, our company effectively operates a system for the storage and transportation of hazardous substances of I – V hazard class, except for radioactive ones. An important part of the UNIDO project relates to the creation of a system for the collection and disposal of equipment containing ozone-depleting substances (ODS). But there is no such system in Ukraine yet.

As part of the existing project, we work closely with UNIDO representatives. Now, we are ready to accept equipment from Sicplant (Italy) and getting ready the building. The premise has already been determined, but final preparation works are still underway.

For this project, a team of highly qualified specialists has already been formed. They are already working on a business plan, conducting preliminary negotiations with potential partners, clients and state authorities. Like everything that we do, we want to implement this project as a successful business.



PROJECT SUPPORT



To ensure this project, we will attract all the resources we have and create new additional infrastructure facilities. The basis for this project will be our research and production complex, an important component of which is our R&D Centre.

Within the framework of this project, a separate regional unit will be created based on our corporation, which will ensure the collection, transportation, recovery, and environmentally friendly destruction of non-recyclable waste.

In order for the regeneration quality to match Ukrainian requirements and international standards (ARI 700 and others), chemical analysis using a gas chromatograph or special analyzers that our R&D Centre has available is required. It is also necessary to create the material and technical base for the transportation of equipment for the collection and injection of refrigerants in special containers.



R&D CENTRE



SCIENCE

The Centre was created together with Ukrainian and Swiss scientists and opened in June 2018. Today, it is the only private world-class research center in Ukraine, which is equipped with the most advanced analytical equipment.

The work of the Centre is focused on 2 main areas: fundamental research and a service laboratory that provides research for the market in the following areas: food, agricultural products and pharmaceuticals.

For our project, this Centre will be a very important and useful element for identifying all types of waste, emissions and developing methods for their processing and disposal.



LOGISTIC FACILITIES

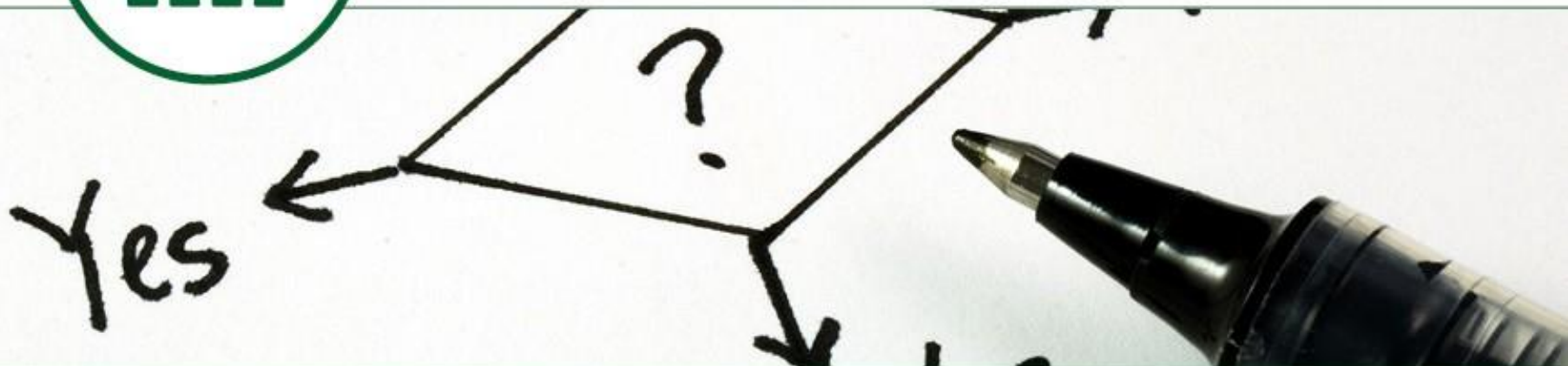


Our infrastructure complex has a special licensed fleet of vehicles that will actively participate in the project. Moreover, for the full implementation of the project, we will staff this structural unit.





COMPLEX STRATEGY



Being directly at the epicenter of the country's development to a new stage of evolution, with the desire to clear the country and avoid catastrophic environmental consequences, we decided to create a set of long-term strategies and measures to minimize the harmful effects of ODS on the climate. First, it is the elimination of gaps in the regulatory framework. Enterprises must be obliged to hand over equipment containing refrigerants for recycling, as well as to maintain strict control over their compliance with environmental standards. After all, sooner or later all ODS in refrigeration and climatic equipment in our country fall into the atmosphere, which is completely unacceptable.

Next step will be creation of ODS consumption monitoring system, reports on the data, begin a phased reduction in their production and use, develop a destruction strategy. An important aspect is the training of personnel and transfer of alternative technologies. They must be achieved together. This is a whole series of works, without which the collection system alone will not have any effect. And it is important that all these measures be implemented together, because separately they will not bring the desired result.



GOVERNMENT RELATION



We work closely with the Ministry of Ecology, the Ministry of Economic Development and local authorities:

- Participation in the development of waste management bills
- Development and participation in the creation of infrastructure facilities
- Development of principles and foundations for a «National standard»



«RECYCLING PARK CHERKASSY»



- Creation of a specialized cluster: infrastructure facilities
- Interaction with NGOs
- Implementation of annual Ecological Forum
- Raising up public awareness: educational trainings, seminars
- Creation an Info centre
- Spread out important information in the media

