

The innovative proposition

to attract investors and buyers

1. Name of innovation

**COMPLEX FOR EXPERIMENTAL MODELING OF DEHYDRATION
PROCESSES IN ELECTROMAGNETIC**

2. Intellectual Property

Select the appropriate position, put the mark «+». Write relevant information.

- Patented Innovation countries: Ukraine
- Filed for a patent countries: _____
- License agreement or Exclusive rights. Exclusive rights
- Other (specify) _____

3. Type of innovation

Select the icon by replacing from "-" to "+"

+	Product
+	Technology

+	Result of R&D
-	Other (discussed separately)

4. Areas of innovation

Select one or more applications innovation by replacing from "-" to "+" .

-	Automobiles, transport and logistics
+	Agriculture and food technology
-	Aerial and space technology
-	Biochemical technology
-	Building
-	Military Industrial and Safety
+	Energy and Energy Saving
-	IT-technology, ICT industry and services
-	Light industry
-	Marine industry and services
-	Environment
-	Nano- and Micro Technology
-	New materials
-	Medicine and Health
-	Creative industry
-	Tourism and cultural heritage
-	Other. (Please specify below the scope)

5. Novelty

What does innovation superior (in digits or qualitatively) already existing? (The answer should be clear and concise - three main arguments in support of the use of promising innovations in domestic and/or foreign markets)

A computerized complex was developed to optimize the dehydration regimes of raw materials in electromagnetic field. There are orders for studies of the kinetics and energy of dehydration processes of grain, seeds, nuts, fruits and vegetables, fine dispersed, viscous plastic materials. The regime for obtaining safe products is justified with minimal energy expenditure.

The power of the meters and the air flow in the chamber are regulated. The weight and temperature of the samples and air in the chamber are recorded. Data is transferred to the computer where it is processed.

The computer receives two signals simultaneously via the RS-232 interface. The Owen signal is processed using the OWEN PROCESS MANAGER (OPM) SCADA system. This allows you to build thermograms both online and after the end of the process. To process the signal from the scale, a program has been developed that allows you to build lines for moisture extraction, drying, drying speed online.

One patent were obtained.

6. Stage of Innovation

What is innovation's stage of development? Select the icon by replacing from "-" to "+"

-	The concept, proof of concept
-	The prototype, which tested and available for demonstration
+	The technologies for small-scale production
+	The technology is ready for industrial application
-	Commercialized

7. The presentation innovations

Select one or more forms by replacing badge from «-» to «+»

-	The demonstration model
+	Multimedia presentation
-	Report

8. Information about the participants, which apply innovation

	<i>If innovation is filed away</i>
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