



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 609532.



## **ener2i Innovation Voucher Armenia 2015**

### **Photo-luminescent materials**

#### **Objective**

The main goal of the project is the development of advanced compositions and production technologies of high-quality photo-luminescent materials with prolonged afterglow. Further it aims to develop various products, in particular - clearly visible photo-luminescent emergency signs, luminous markings (including a road marking), designation of evacuation routes and other elements of design and, additionally, to introduce the certified photo-luminescent materials on the market.

#### **Expected outcomes**

- Development and creation of some specific equipment and tools and modification of a large-scale production technology
- Testing of products for compliance with the relevant standards
- Carrying out an additional study on the market potentials

#### **Company description**

"TESLA CRYSTALS" LLC is a start-up company founded as a spin-off of the Institute of Materials Science. It deals with new technologies related to the final development, production and introduction of advanced materials to the market – materials such as the new generation of lead-free glass, glass ceramics, heat-resistant composite materials and coatings, high temperature semiconductor materials, photoluminescent materials, etc.

#### **Research Partner**

Institute of General and Inorganic Chemistry NAS RA

(<http://www.sci.am/resorgs.php?oid=15&langid=1>)

Institute of Chemical Physics Nas RA (<http://chph.sci.am/>)

Institute of Advanced Manufacturing Technology, Krakow, Poland

(<http://www.ios.krakow.pl>)

#### **Company contact data**

Address: 19-10 Ervand Qochar Str., Yerevan 0070, Republic of Armenia

E-mail: [tesla.crystals@gmail.com](mailto:tesla.crystals@gmail.com)

Contact person: Mr. Ashot Margaryan (Director)