

Why the CRAIOVA REGION?

After a thorough analysis of around 20 regions in Eastern Europe, the Craiova region was identified as the most suitable site for building the first-of-its kind commercial flagship plant for the production of cellulosic ethanol.

The region offers a high feedstock potential as straw is an underutilized resource. Furthermore, Podari offers a good transport and energy infrastructure, which will contribute to an efficient and sustainable collection of the feedstock and distribution of the final product. The University of Craiova in close vicinity provides a good pool of qualified local staff as the sunliquid® plant requires a broad variety of employees.

Advantages FOR THE WHOLE REGION

- Additional income for farmers and local businesses
- Boost of local economies and creation of additional business opportunities
- Creation of green jobs in a predominantly rural area
- Outside the plant (field/logistics): around 300 persons
- Inside the plant: around 120 full-time employees
- Jobs associated with the construction of the plant: over 800



About the EU Project SUNLIQUID

The cellulosic ethanol plant in Podari is being co-funded by the European Union in the framework of the EU project SUNLIQUID (sunliquid® large scale demonstration plant for the production of cellulosic ethanol). In support of demonstrating the technological feasibility and competitiveness of the sunliquid® process at commercial scale, the SUNLIQUID project was initiated. From April 2014 to March 2020, the project receives a contribution of EUR 23 million from the European Union's Seventh Framework Programme (FP7) under Grant Agreement no. 322386.

CONTACT

Are you interested in working with us?

We would be pleased to have you as a cooperation partner!

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Clariant's sunliquid® Flagship Plant in Podari HOW LOCAL FARMERS CAN BENEFIT



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what is precious to you?

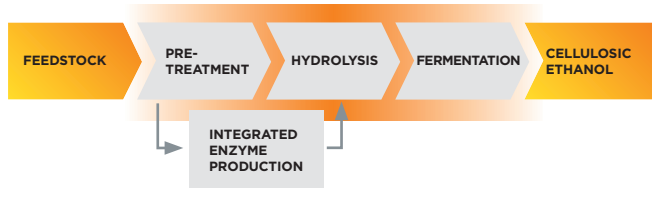
Cellulosic Ethanol Plant IN PODARI

Clariant, a world leader in specialty chemicals, is building in Podari a new commercial-scale production plant for cellulosic ethanol made from agricultural residues, based on the sunliquid® technology. The plant will have an annual capacity of 50,000 tons cellulosic ethanol. Cellulosic ethanol is an advanced, truly sustainable and nearly carbon-neutral biofuel that can readily be used in our existing car and energy infrastructure. It is produced from agricultural residues such as wheat straw, which are to be sourced from local farmers. The new facility will generate new green jobs and economic growth in the Podari region. Specifically, it will create substantial new revenue opportunities for local farmers.

With this new flagship plant, Clariant intends to demonstrate that the large-scale production of cellulosic ethanol based on the sunliquid® process is technically mature and economically viable. The sunliquid® process developed by Clariant uses non-food biomass for the production of cellulosic ethanol.

The cellulosic ethanol plant is co-funded by the European Union under the EU project SUNLIQUID. The construction of the plant is due to be completed in 2020.

SUNLIQUID® TECHNOLOGY – COMPETITIVE AND SUSTAINABLE CELLULOSIC ETHANOL



Feedstock Supply AND LOGISTICS



Farmers in the Oltenia region are now given an alternative use for their straw, which will increase their revenues. The sunliquid® plant will need up to 300,000 tons of cereal straw per year in order to convert them into cellulosic ethanol. The feedstock will be supplied through a solid supply chain system from a strong network of local farmers. About 250 local farmers will have the opportunity to become an official and reliable straw supplier for the plant.

Be one of them!

Different logistics providers will ensure proper bailing, collection, transportation and storage of the feedstock to allow for a stable and continuous feed-in of the straw into the plant. Ideally, the straw should be collected, handled, stored and delivered in bales to the plant just-in-time for production. To increase efficiency, our local straw suppliers can take part in Clariant's supply chain either partially by outsourcing some tasks to logistics providers or entirely by taking over the straw handling completely, thus bringing added value to their business.

Benefits FOR FARMERS

A new large-scale industry in your area gives you many opportunities:

- Maximize revenues by selling your straw to the plant
- Opportunities to take part in the supply chain, thus adding real value to your business
- Cost reduction by reducing fuel consumption when combine and straw choppers are decoupled
- Increased harvesting speed by decoupling straw choppers in the combine
- Reduced fire hazard by decoupling straw choppers in the combine
- Facilitating ground preparation work by removing straw from the field
- Reducing the spread of pathogens, which are located mostly on the leaves and straw, by removing straw from the field
- Long-term reliable partnership securing income for future generations

