



Press Release
Brussels, June 4th 2015

Bio refinery

WITH 2G BIOPIC, A DISRUPTIVE TECHNOLOGY OF BIOETHANOL PRODUCTION IS NOW TESTED AT A PRE-INDUSTRIAL STAGE.

The prize winner of the call for projects “Demonstrating advanced biofuel technologies”, initiated by the EU as part of the 2020 Horizon programme, the bio refinery project 2G Biopic was officially launched on May 1st. The launching meeting was held in Brussels, on May 27 and 28.

2G Biopic stands for “2nd Generation Bioethanol production based on Organosolv Process at atmospheric Conditions”. The project which is structured around the CIMV refining process has been preliminary validated at the industrial pilot stage and had already obtained a first European recognition in the framework of the Biocore programme (2010-2014).

The CIMV technology differentiates itself by its high levels of production and the generation of a pure lignin, through a process that is nowadays unique in the world, the Biolignin®, which guarantees the profitability of the process. An asset that definitely constitutes CIMV's trademark.

The project aims to demonstrate at a pre-industrial stage, the economic, technical, environmental and societal viability of a new technology that permits to separate the main components of plant materials, thus optimizing the production of bio-ethanol.

In the perspective to reach this main objective, 2G Biopic must also confirm the potential of Bio lignin as the core basic of tomorrow's Green chemistry. Such European project stands as the final step towards the validation of the process.

A 36 month project, 2G Biopic encompasses the construction of a demonstration plant on the “Portes du Tarn” economic and industrial park, 20 Km from Toulouse. Functional in early 2017, it will process 24 tons of biomass per day and annually produce 700 tons of second generation bioethanol, as well 750 tons of Biolignine.





If the whole technical and economic parameters are validated, the process will be developed to its industrial stage from 2018.

2G Biopic is undertaken by a consortium of 7 partners coming from 4 European countries:

- **CIMV** (France / Project coordinator), for the bio refinery technology,
- **Dyadic** (Netherlands), for the technology of enzymatic hydrolysis,
- **Taurus Energy** (Sweden), for the fermentation technology,
- **CRITT Bio-Industries** (France), for the fermentation's industrial transfer,
- **Rolkem** (France), for the industrial validation of the Biolignin™ use in phenolic resins,
- **Toulouse White Biotechnologies** (France), for the life cycle analysis and the energy optimization,
- **Bio Base Europe Pilot Plant** (Belgium), for the industrial transfer of Hydrolysis.

The 2G Biopic project has received a 20 million euros support from the 2020 Horizon European Programme (Research & Innovation, project n° 657867), out of a 35 million euros total budget. Even more than the financial sustenance, such commitment from Europe demonstrates the interest and the maturity of this breakthrough technology, offering great hopes in regards of industry and environment.



* This project has received funding from the *European Union's Horizon 2020 research and innovation programme under grant agreement No 657867*

Contact presse CIMV :

Mathilde Ratineaud, Giesbert & Associés, m.ratineaud@giesbert-associes.com / 07.85.53.50.05

