

The Biorefinery of Bazancourt-Pomacle: a strong commitment of farmers for years

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A long story resulting of a constant vision and of a capacity / willing to gather



« Faisons nos affaires nous-mêmes » « Do our business ourselves »
Insuring the future of the crops by local industrial transformation

Gustave de Bohan, farmer (1849-1928)

Key figures



2 300 employees

Surface: 138 000 ha approx 40 % of the french surface dedicated to sugarbeet

9 500 farmers

Sugar : 1,7 million tons/year

11 main sites: Arcis s/Aube, Bazancourt, Toury (sugar and alcohol), Bourdon, Sillery, Erstein, Corbeilles, Sainte-Emilie, Pithiviers, Fontaine-Le Dun (sugar), Dislaub (recycling)

Alcohols & Ethanol : 5,6 million hl/year

Pulps & alfalfa pellets : 150 000 tons/year

DDGS (wheat): 170 000 tons/year

Also present in Italy and Algeria

Turn-over : + € 2.0 billion

5th european sugar player

Key figures



12 000 farmers

8 000 employees

First grain cooperative in France: 4 million tons collected
270 silos (storage)

Surface: **1 million hectares**

A presence on four continents, 26 countries, 80 plants

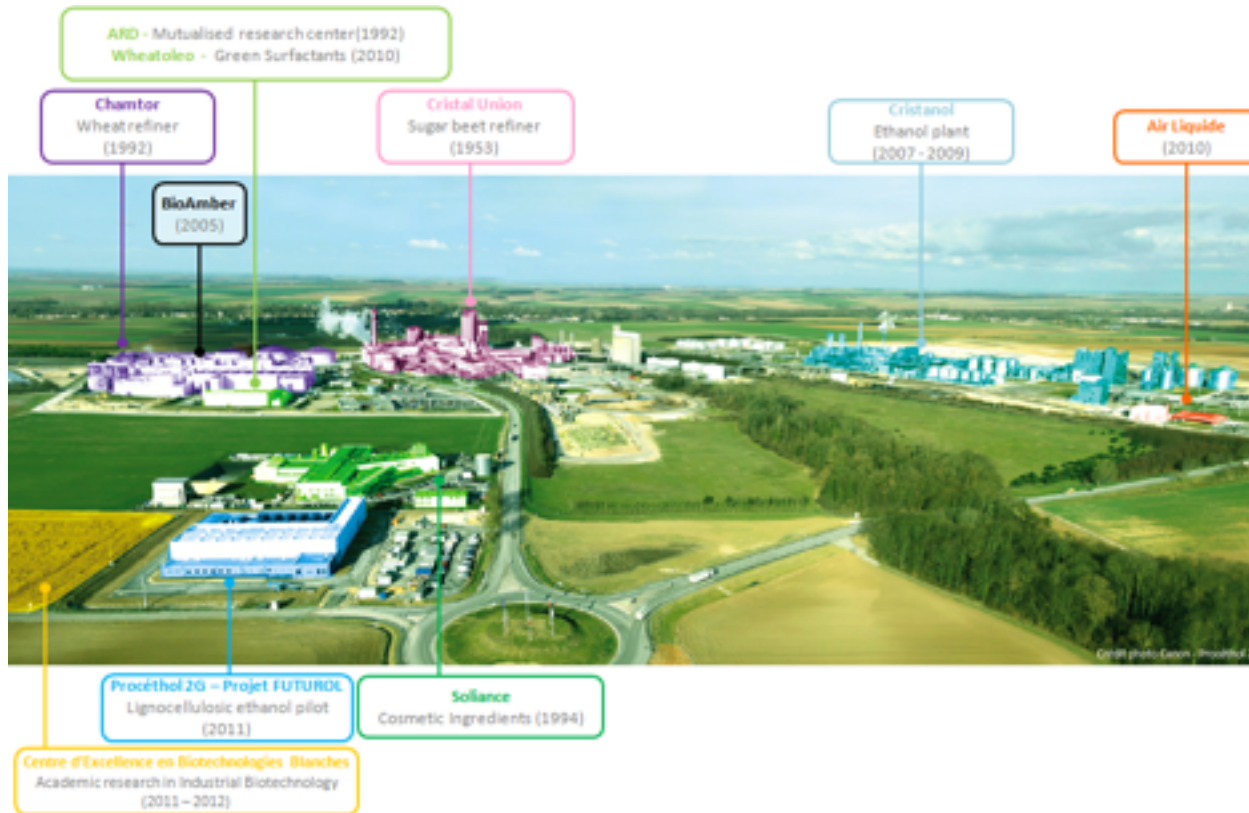
World leader in malt

A European leader in the milling and baking

€ 750 million paid annually to farmers as compensation for their collection industrial activities are gathered under SICLAE

Turn-over : **€ 4 billion**

Global view of the site: integration & synergies



A site combining industry / research /training

Food and feed industry



Biofuels and feed



Specialty chemicals



Fine chemicals



Private research



with its demo unit



Industrial pilot



Start-ups hosted



Academic research and training



Institutional partners



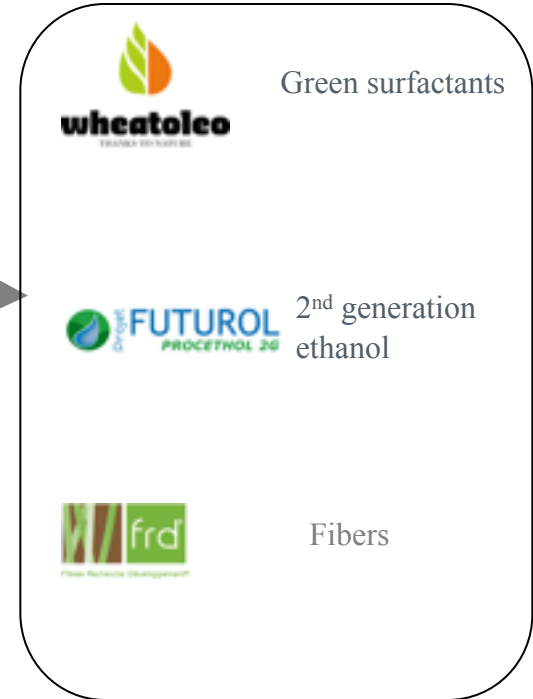
With the support of local authorities, France and Europe for innovation activities



shareholders

Open to subcontracting and partnership

subsidiaries & participations



ARD: open innovation platform

ARD is the leading player of our innovation platform

Created in 1989, 110 employees

To develop innovative processes to produce chemicals derived from biomass within the concept of biorefinery

With a recognized expertise in: **biomass fractionation**, industrial **biotechnology**, bio-based **chemistry**, including down stream processing, **scale up from lab up to the demonstration scale**

In 2009, ARD was labeled by IAR and selected by the french government to be the leading component of an « open innovation platform »

Food and non food, ...but food first!

Unambiguously, the first mission for farmers is to feed people...

...but the necessity to take into account the replacement of fossil resources gives to farmers new responsibilities regarding the biosourcing for energy and chemicals

The development of the biorefinery of Bazancourt-Pomacle has been conducted by integrating this global vision aiming to valorize the « whole plant »

Cristanol: a gate to the new bioeconomy

An investment of € 300 M
realized by farmers via
the cooperatives:

 CRISTAL UNION

and , an union
of cereal coops led by

 VIVESCIA
l'innovation par nature

Ethanol & Alcohols
Pulps & vinasse
DDGS
CO₂
CH₄



CO₂ capture workshop
an investment of Air Liquide



biomass boiler
€ 30 M



A demo unit dedicated for designing and scaling up innovative bioprocesses



**An investment
of ARD**

  22 M partially
supported (  5 M) by
public funds



First reference:



FuturoL : a pilot dedicated for the lignocellulose deconstruction



A pilot dedicated for lignocellulose deconstruction



A french program of €76 M co-funded by **bpi**france for approx €30M

The Biorefinery of Bazancourt-Pomacle:Facts and figures

1100 employees on site (direct jobs)

150+ in R&D and innovation

€ 1 billion+ of investment

2 million tons of sugarbeet and 1 million tons of cereals annually transformed on site

600m€ turnover

To see the site and its story

<http://www.biobasedindustries.europabio.org/>

Fondation Jacques de Bohan: thinking tomorrow



A foundation of enterprises
Partnership with

For promoting the concept of biore



emplifying by the case of Bazancourt-Pomacle

