

# BIOREFINERY OF POMACLE – BAZANCOURT



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Route de Bazancourt  
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**TOTAL AREA 713 HECTARES OF WHICH 396 ARE AVAILABLE**  
**3 AREAS = INDUSTRIAL + R&D: 280 HA (OF WHICH 70 HA ARE FREE)**  
**+ BIOECONOMY PARK: 193 HA (OF WHICH 147 HA ARE FREE)**  
**+ EXPERIMENTAL FARM: 240 HA (OF WHICH 155 HA ARE FREE)**

## SHARED SERVICES/UTILITIES

<b>STEAM</b>	Steam / heat (biomass boiler)
<b>ELECTRICITY</b>	Extra high-voltage station nearby
<b>INDUSTRIAL FLUIDS</b>	Industrial water / demineralized water
<b>INDUSTRIAL GASES</b>	Natural gas / CO <sub>2</sub>
<b>TREATMENT OF EFFLUENTS</b>	Wastewater treatment plant
<b>POSSIBLE CONNECTION TO</b>	The treatment plant
<b>SAFETY/SECURITY</b>	Medical care service / employees are trained in first aid
<b>TELECOM &amp; DATA</b>	Plug&Play connection / optical fiber / high-speed internet / telephone network
<b>TECHNICAL SUPPORT FUNCTIONS</b>	Administrative and technical support in obtaining authorizations
<b>INFRASTRUCTURE MANAGEMENT</b>	Rental of buildings, meeting rooms

## OPERATIONS / PRODUCTS

- ◇ One of the largest biorefinery in the world
- ◇ + 4.8 million tons of biomass (3 million tons of sugarbeet + 1 million tons of wheat + 400,000 tons of wood & byproducts + 400,000 tons of other biomasses (alfalfa, etc.) are processed every year to produce sugar, glucose, starch, food or pharmaceutical alcohol, ethanol fuel, cosmetics actives, etc.
- ◇ Main markets: Human food, animal nutrition, energy (biofuel, pellets), cosmetics, chemical & technical applications



## CHEMICAL PARK SPECIFICATIONS

- ◇ **11 companies on site:**
  - ADM (France)
  - Air Liquide (France)
  - A.R.D. and A.R.D. Pilote Factory (France)
  - Ceresia (France)
  - Cristal Union (France)
  - Cristanol (France)
  - Dalkia (France)
  - Européenne de Biomasse (France)
  - FICAP – COGECAB (France)
  - Givaudan (France - Switzerland)
  - Vivescia (France)
- ◇ More than 1,300 employees, around 1,000 jobs created indirectly, 300 on-site scientists, 1,000 permanent staff - €850 million in annual turnover
- ◇ **Security:** Seveso-certified site (high level of security)
- ◇ **Originality of the site:** Single site for industrial companies, scientists, engineering schools, all with unique resources (laboratories, pilot, demonstration, industrial facilities), and a vision that includes green chemistry. A circular economy by nature, combining developments in the field and consumer trends, offering opportunities for synergies between stakeholders at the site. Flows and interconnections made possible through locations upstream or downstream of existing facilities.



## SPECIFIC SERVICES/UTILITIES

- ◇ **Industrial & R&D Park:**
  - Development of new area available to accommodate companies wishing to be directly connected to the heart of the ecosystem
  - Ongoing studies to optimize existing joint synergies or those to be implemented in terms of energy, utilities, valuation of byproducts, logistics, etc.
- ◇ **Bioeconomy park:**
  - Exclusively for industrial facilities and hightech/ middle tech companies
  - Tax exemptions and financial support
- ◇ **Experimental farm:**
  - Center of Excellence for upstream resource management
  - Focused on research and innovation to support farmers in alternative production systems
  - A key point for innovation in biomass for biorefinerie, industrial biotechnologies and green chemistry
  - Part of network of other experimental platforms in France

## INFRASTRUCTURE

- 🚗 **Direct connection to major north-south and east-west motorways (A34/A4+RN51/A26)**
- 🚆✈️ **15 mins from high speed train station: Paris (45 mins), Brussels (3hrs), London (3hrs 40mins), Paris Charles de Gaulle Airport (30 mins), 5 mins from the regional train station**
- 🚆 **Connected to the rail network with an industrial hub**

## NETWORK: INNOVATION AND POTENTIAL PARTNERS

LOCAL INNOVATION CLUSTERS	ARD & ARD PILOT FACTORY	Service company specialising in industrial biotechnologies, green chemistry and fractionation. ARD is a unique platform, and provides its expertise and equipment, from the laboratory stage, to pilot, demonstration plant (BIODEMO) & commercial quantities, to industrialize processes for world-class partners (start-ups and companies).
	GLOBAL BIOENERGY	A project in partnership with ARD to develop a process to transform renewable resources (sugar, crops, agricultural and forestry waste) into isobutene
UNIVERSITY / ACADEMICS	CEBB	Multidisciplinary research academic center (CentraleSupélec, AgroParisTech, Neoma BS, URCA) in bioeconomy, green chemistry, industrial biotechnologies & imaging
POTENTIAL PARTNERS	AIR LIQUIDE	Industrial production of 'green' carbon dioxide
	ADM	A worldwide company in the transformation of cereals into starch-based products (processing of 450 kt/yr of wheat)
	CRISTANOL	The largest ethanol plant in Europe, with two production lines (sugar-beet and wheat) and a total output of 3.5 Mhl/yr
	CRISTAL UNION	Production plant of sugar from sugar-beet (production: 250 kt/yr of sugar and 130kt/yr of dehydrated beet pulp and alfalfa)
	EUROPEENNE DE BIOMASSE	A cleantech company whose vision is to fully replace fossil fuels and materials with an innovative and standardised biosourced material produced from agricultural and forestry residues: HPCI Green Pellet® (HPCI Greenfuel® as substrate for SAF and green chemistry)
	FICAP - COGECAB	The world's first plant capable of producing HPCI Green Pellet® (production: 125 kt/yr) with a 50 MW biomass cogeneration unit
	GIVAUDAN	Specializing in developing high added-value ingredients, derived from vegetable sources, micro-organisms and micro-algae, for active ingredients in the cosmetics industry
VIVESCIA	This agricultural and agri-food group ensures the supply and the storage of transformed wheat on the platform	