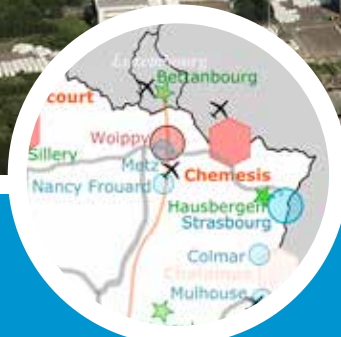


CHEMESIS



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<http://carling.total.fr> www.arkema.com
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AGEME
 8 rue Nicolas Colson - BP 87
 57803 FREYMING-MERLEBACH Cedex
+33 3 87 82 88 24

PLATFORM SPECIFICATIONS

■ 8 companies on site, together forming an association:

Air Liquide	France	Uniper	Germany
Altuglas	France	Protelor	France
Arkema	France	SNF	France
Cokes de Carling	Germany	Total Petrochemicals France	France

- 1,500 employees (and 3,500 indirect jobs)
- Total area: 600 hectares (platform + Composite Park), **of which 50 are available now, and 240 will be available in 2020** (170 ha for platform + 70 ha for Composite Park)
- **Security:** site fenced and guarded 24/7, Seveso-certified site
- **Certifications** at industrial level: ISO 9001, ISO 14001, ISO 50001, Responsible Care, ISRS and OHSAS 18001
- Possibility to locate in Seveso-certified area or in the Composite Park area (not Seveso-certified).
- Platform located in special EU regional aid area (tax exemption for new companies located or created in this 'AFR' area)

OPERATIONS/PRODUCTS

- Low density polyethylene - styrene polymerization - hydrocarbon resins polymerization - copolymers of ethylene-acrylates, of crystal polystyrene and high impact polystyrene (GPPS and HIPS), of polypropylene compound
- Manufacture of hydrocarbon resins (C4 & ClearTack W) (Cray Valley)
- Manufacture of acrylic acid and by-products (esters, ADAME), and polymers SAP
- Power generation

INFRASTRUCTURE

- ✈ 3 airports: Metz-Nancy Lorraine, Saarbrücken-Ensheim, Luxembourg
- 🛣 2 motorways: North/South (A31-E25) and East/West (A4-E50)
- 🚢 Inland access possible to reach the North Sea seaport by the Moselle canal
- 🚆 Near to the high speed train station
- 🚂 Direct connection to a rail hub (Woippy)

SHARED SERVICES/UTILITIES

Opportunity for a steam network to be evaluated	Steam	Extra high-voltage station nearby (400kv), making it possible to set up an electric-intensive business
Industrial water, demineralized water Fire system water	Electricity	
	Wastewater treatment plant	Industrial fluids
Industrial gas		
Treatment of effluents		
Fire brigade	Safety/security	To the treatment plant
	Full service possible	Plug&Play connection, optical fiber, high-speed internet, telephone network
Possible connection to existing network		
HSE charter to ensure consistent management of hygiene, health, safety and environment	Technical support functions	
	Infrastructure management	

OTHERS SERVICES/UTILITIES

- Oxygen and nitrogen by pipe
- Infrastructure management: trucks and rails loading/unloading

NETWORK PLATFORM

Local Innovation clusters	Materialia	Leading cluster for collaborative innovation in processes and materials
	Fibres Energie-Vie	Innovation cluster focusing on materials and sustainable building
	Hydreos	Innovation cluster focusing on smart water management
	IRT M2P	Technological research institute in metallic materials, polymers and processes
	PPE (see also R&D center)	National platform for automotive structural parts made from composite materials
	PLASTINNOV (Lorraine University technology platform)	Characterization of polymers and plastics, prototyping, including combustibility tests
Research centers	R&D Centers of Arkema and of Cray Valley (Total)	
	Plastics Cluster of East of France (PPE)	Specializing in charged polymers and composite materials
	The Institut de Soudure Group (IS)	Provides the highest performance solution to the needs of industry during the equipment design, manufacture and maintenance phases
Universities	One university hub	(50,000 students; 3,700 teachers; €544 million budget) federating 14 engineering schools (in chemistry, materials, technologies, electricity, etc.) 20 training centers specializing in industrial jobs (for students) 28 skill training sites (for employees)
Potential partners	In this industrial area	Approximately 1,000 qualified outsourcing contractors working for companies on the platform