

SYNERZIP LE HAVRE



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TOTAL AREA OF 10,000 HECTARES OF WHICH 100 ARE AVAILABLE.

SHARED SERVICES/UTILITIES

STEAM	4 km of existing network (+ a further 10 km planned) - 200 000 t/year - 20 bars - 5 manufacturers are connected
ELECTRICITY	Very high voltage electricity (90 - 225 - 400 KV)
INDUSTRIAL FLUIDS	Industrial water facilities: a network of 52 km linking 43 users
INDUSTRIAL GASES	Butane and industrial gas (nitrogen, oxygen, carbon dioxide, hydrogen) networks; intra-platform pipelines
TREATMENT OF EFFLUENTS	Wastewater treatment and valorisation plant
POSSIBLE CONNECTION TO	A 700km hydrocarbons pipeline network
INFRASTRUCTURE MANAGEMENT	Storage solutions (heated reservoirs, stainless steel reservoirs, solutions designed for new products) with access to roads, barges, pipelines and railway. A total of 295 silos (PE, PS, PP, ...) - 90 000 m ³ . A 12 500 m ² area for storing hazardous products in tanks / Logistics hub with direct access to maritime and numerous multimodal transportation networks (waterways, railways, roads, pipelines).

OPERATIONS / PRODUCTS

- Unique site features: One of Europe's leading integrated refinery-petrochemicals complexes within the French port complex HAROPA
- Natural gas available (40bars)
- Main activities: mineral and organic chemistry, plastics, additives & lubricants, rubber, petrochemicals, refining, manufacture of coke and refined products, industrial gases, special fluids, bio-fuels, resins/varnishes and paints
- Propane, butane, naphtha, petrol, kerosene, diesel, domestic heating oil, industrial heating oil, bitumen products, liquid sulphur, butadiene, butene, propylene, aromatics, styrene, ethylene, industrial gases, polyethylene (PEL+EVA), polystyrene
- Methanol-based solvents, base oils, reconditioned mineral oils, ammonia, technical grade urea: AdBlue, lye, acids, oxygen, nitrogen, hydrogen, nickel and derivative products



CHEMICAL PARK SPECIFICATIONS

- **14 main companies on site**
 - Air Liquide (France)
 - Normanplast (France)•
 - Chevron Oronite (US)
 - Omnova Solutions (US)
 - Eramet (France)
 - Osilub (France)
 - Estener (France)
 - PPG Coatings (US)
 - GPMH GRAND PORT MARITIME DU HAVRE (France)
 - Total Fluides (France)
 - Total Plateforme de Normandie (France)
 - Lubrizol (US)
 - Yara (Norway)
- 5,300 employees in the chemical/petrochemical industry
- 1,200 firms employing a total of 31,000 people in industry or service sectors, including 5,300 in the chemical / petrochemical industry.
- **Security:** 17 high-threshold Seveso sites and 6 low-threshold Seveso sites. A joint approach to industrial risk management, (PPRT - Technological Risk Prevention Plan). Access to port facilities 24/7.
- **Certifications:** Europe's only port with ISO 28000 (Supply Chain Security Management).
- An industrial waste-to-energy processing plant.



SPECIFIC SERVICES/UTILITIES

- **Logistics services:** specialist transportation services, repairs, tank cleaning, steam reheating, depressurizing and neutralizing, sack and barrel filling, cracking...
- **Storage operators :** Alkion Terminals, SHMPP, CIM, KATOEN NATIE, CARE, CITIS, NORGAL, SEPP
- Dense and well-qualified network of subcontractors
- **Shared IT system** for managing hazardous products in transit at the port.
- **Waste collection, disposal, processing and recycling centres:** Europe's largest centre, including a waste-to-energy facility for processing dangerous industrial waste set up by the site's industrial users (SEDIBEX).
- Management of the port real-estate park by GPMH (Grand Port Maritime du Havre), Port safety.
- Bus stops & organised car sharing schemes.

INFRASTRUCTURE



- 2 hours from Paris and the airports at Orly and Roissy Charles de Gaulle.
- Easy access to the motorway network into Paris (A13) and Europe (A29).
- A deep water harbour, multiple port/waterway connections & direct access to the Seine for large barges. Maritime connections to over 500 ports worldwide.
- 15 minutes from Le Havre railway station.
- Interconnected rail sites, local onsite rail operators.

NETWORK: INNOVATION AND POTENTIAL PARTNERS

COMPETITIVE/ INNOVATION CLUSTERS	COSMETIC VALLEY	The world's leading cosmetics and perfumes resource centre
	POLE PHARMA	A French pharmaceuticals production cluster
	NOVALOG	A logistics competitiveness cluster
RESEARCH CENTERS	TRTG	TOTAL's Research & Technical Centre
	CHEVRON	Centre for the development of new additives for oils and fuel products
	PPG Coatings	R&D paint and varnish centre (aerospace and packaging industries)
UNIVERSITIES	University HUB	In Normandy: 66,000 students, 1,900 PhD students, 8 PhD establishments, 2,300 teacher-researchers and 150 research centres
	Normandy's PhD centre	Specialised in molecular, macromolecular and medicinal chemistry
	4 Engineering schools	Equipped with specialist chemical engineering and plastics R&D labs: INSA in Rouen, ENSICAEN in Caen, ISPA and ISMO College of Higher Education in Plastics and Plastic moulding in Alençon, ENSPM (IFP training) in Rouen and Lillebonne
POTENTIAL PARTNERS	In the industrial zone	Other industries (automotive, aerospace, refining, energy, waste management, etc.) for local expertise and industrial maintenance services - i.e. over a thousand firms and potential business partners