

# SYNERZIP LE HAVRE



www.synerzip-lh.fr  
contact-platform@synerzip-lh.fr

181 Quai Frissard - BP 1410  
76067 Le Havre Cedex  
NORMANDY - France  
+33 (0)2 76 40 23 35

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

## SHARED SERVICES/UTILITIES

<b>STEAM</b>	4 km of existing network (+ a further 10 km planned) - 200 000 t/year - 20 bars - 5 manufacturers are connected
<b>ELECTRICITY</b>	Very high voltage electricity (90 - 225 - 400 KV)
<b>INDUSTRIAL FLUIDS</b>	Industrial water facilities: a network of 52 km linking 43 users
<b>INDUSTRIAL GASES</b>	Butane and industrial gas (nitrogen, oxygen, carbon dioxide, hydrogen) networks; intra-platform pipelines
<b>TREATMENT OF EFFLUENTS</b>	Wastewater treatment and valorisation plant
<b>POSSIBLE CONNECTION TO</b>	A 700km hydrocarbons pipeline network
<b>INFRASTRUCTURE MANAGEMENT</b>	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 <sup>3</sup> . A 12 500 m <sup>2</sup> 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)
  - Chevron Oronite (US)
  - Eramet (France)
  - Estener (France)
  - GPMH GRAND PORT MARITIME DU HAVRE (France)
  - Lubrizol (US)
  - Normanplast (France)
  - Omnova Solutions (US)
  - Osilub (France)
  - PPG Coatings (US)
  - Total Fluides (France)
  - Total Plateforme de Normandie (France)
  - 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

<b>COMPETITIVE/ INNOVATION CLUSTERS</b>	<b>COSMETIC VALLEY</b>	The world's leading cosmetics and perfumes resource centre
	<b>POLE PHARMA</b>	A French pharmaceuticals production cluster
	<b>NOVALOG</b>	A logistics competitiveness cluster
<b>RESEARCH CENTERS</b>	<b>TRTG</b>	TOTAL's Research & Technical Centre
	<b>CHEVRON</b>	Centre for the development of new additives for oils and fuel products
	<b>PPG Coatings</b>	R&D paint and varnish centre (aerospace and packaging industries)
<b>UNIVERSITIES</b>	<b>University HUB</b>	In Normandy: 66,000 students, 1,900 PhD students, 8 PhD establishments, 2,300 teacher-researchers and 150 research centres
	<b>Normandy's PhD centre</b>	Specialised in molecular, macromolecular and medicinal chemistry
	<b>4 Engineering schools</b>	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
<b>POTENTIAL PARTNERS</b>	<b>In the industrial zone</b>	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