

# SYNERZIP LE HAVRE



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## PLATFORM SPECIFICATIONS

■ 14 companies on site

Air Liquide	France
Alkion Terminal	France
Chevron Oronite	United States
Eramet	France
Estener	France
GPMH <small>(Grand Port Maritime du Havre)</small>	France
Lassarat	France

Lubrizol	United States
Omnova Solutions	United States
Osilub	France
PPG Coatings	United States
Total Fluides	France
Total Plateforme de Normandie	France
Yara	Norway

■ 1,200 firms employing a total of 31,000 people in industry or service sectors, including 5,300 in the chemical/ petrochemical industry.

■ Total size of the platform: 10,000 hectares, **of which 100 hectares are available.**

■ **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.

■ **Certification:** Europe's only port with ISO 28000 certification (Supply Chain Security Management).

■ **Unique site features:** One of Europe's leading integrated refinery-petrochemicals complexes.

■ An industrial waste-to-energy processing plant.

■ A strategic logistics hub with direct access to maritime and numerous multimodal transportation networks (waterways, railways, roads, pipelines).

## OPERATIONS/PRODUCTS

■ **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

## 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 operator.

## SHARED SERVICES/UTILITIES

4 km of existing network  
(+ a further 10 km planned) –  
200 000 t/year – 20 bars –  
5 manufacturers are connected

Steam

Electricity

Very high voltage electricity  
(90 – 225 – 400 KV)

Industrial water

Industrial fluids

Industrial gas

Propane, butane, nitrogen, oxygen,  
carbon dioxide, hydrogen

Wastewater treatment and valorisation  
plant

Treatment of effluents

## OTHERS SERVICES/UTILITIES

- **Industrial water facilities:** a network of 52 km linking 43 users.
- Natural gas (40 bars), Butane and industrial gas (nitrogen, oxygen, carbon dioxide, hydrogen) networks; intra-platform pipelines.
- **Logistics services:** specialist transportation services, repairs, tank cleaning, steam reheating, depressurizing and neutralizing, sack and barrel filling, cracking...
- **Shared IT system** for managing hazardous products in transit at the port.
- **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.
- **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).
- A 700 km **pipeline network** for conveying hydrocarbons to the Greater Paris region (Ile-de-France).
- Management of the port real-estate park by GPMH (Grand Port Maritime du Havre), Port safety.
- Bus stops & organised car sharing schemes.

## NETWORK PLATFORM

Competitive / Innovation clusters	Cosmetic Valley	The world's leading cosmetics and perfumes resource centre
	Pole Pharma	A French pharmaceuticals production cluster
	Novalog	A logistics competitive cluster
Research centre	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