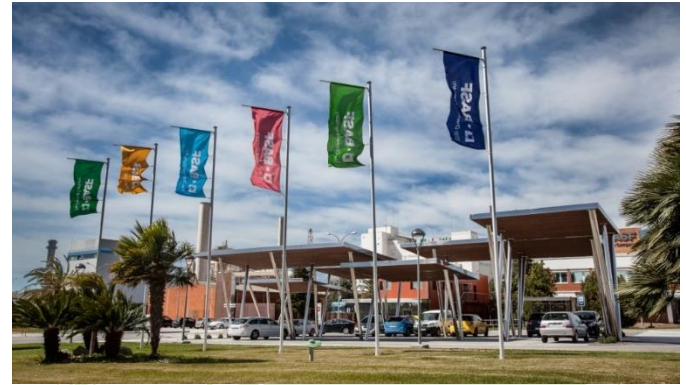


The BASF Site in Tarragona



Introduction

BASF Española S.L.U was created in 1966 as a subsidiary company of BASF founded in Ludwigshafen (Germany) in 1865, and in 1969, the Tarragona Site was inaugurated:

- The largest **production Site** of BASF in South Europe
 - 112 hectares
 - 10 production plants (5 BASF)
 - ~ 900 employees (~ 700 BASF)
 - 8 companies
- Plants to supply the **Spanish market** and for **global business**
- **Possibility of growth** with about 20 Ha of free and available land
- **Own jetty** in the port of Tarragona
- Systematic and proactive development of **Site Marketing** activities



Introduction

The Tarragona Site offers excellent installations for production

- **Lower investment costs**
 - ▶ Infrastructure existing for energy supply, logistics and waste management

- **Integration in the largest chemical cluster in South Europe**
 - ▶ Raw material and product synergies
 - ▶ Important weight of the chemical industry for the economy of the region

- **Industrial area without legal urban restrictions and assured environmental authorization**
 - ▶ Land suitable for plants under the “Seveso” regulations
 - ▶ Consultancy and support by BASF in the administrative process (40 years of experience)

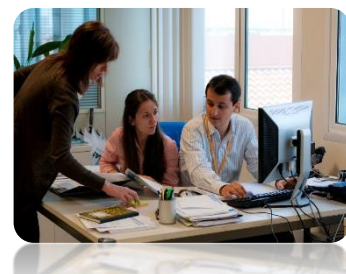
- **Economy of scale and competitive costs**
 - ▶ Aggregation of purchase volume in raw material, logistics services, etc.



Infrastructure



Synergies



Qualified staff



Services

Logistic Infrastructure



Logistic Infrastructure

Own jetty (Port of Tarragona)

- Easy connection with suppliers and customers in one of the most important ports of the Mediterranean

Warehouses for raw material and finished products

- Storage capacity available
 - Covered area
 - Open area

Tank farms

- In-site Tank Farm
- Out-site Tank Farm
- Port Tank Farm



Transport through a pipeline rack

- Connection with the Port of Tarragona and other companies in the chemical cluster

Intermodal Terminal (in the project phase)

- 8 freight trains daily
- Loading-unloading area of 5.500 m²
- Storage area of 20.500 m²



Logistic Infrastructure

Own jetty and tank farm in the Port of Tarragona

The BASF Site in Tarragona has its **own jetty** of 12 m depth and 160 m length, through a Joint Venture with Dow Chemical Ibérica (Nº 1), and a **tank farm** with a surface of 75.327 m² and a warehousing capacity of 54.370 m³ (Nº 2)

The situation of these installations in one of the most important ports of the Mediterranean allows an easy connection with suppliers and clients.



The connection between the tank farm of the Port of Tarragona and the BASF Site is carried out through the rack Dixquímics.

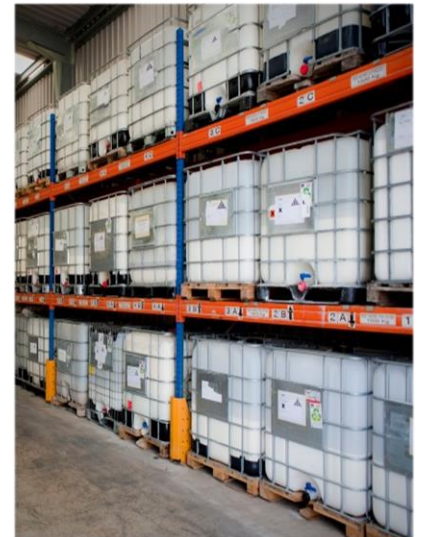


Warehouses for raw material and finished products

The BASF Site in Tarragona disposes of **warehouses** prepared and designed for the warehousing of raw material and finished products.

There is enough capacity to provide customized service to new third-party companies intending to install on our Site.

- Covered area
- Open area



Transport by pipeline

The tank farms are connected with the BASF Site through the **rack Dixiquimics**.

There also exists a pipeline network connecting the companies, thus creating an overall integration of the supplies needed.

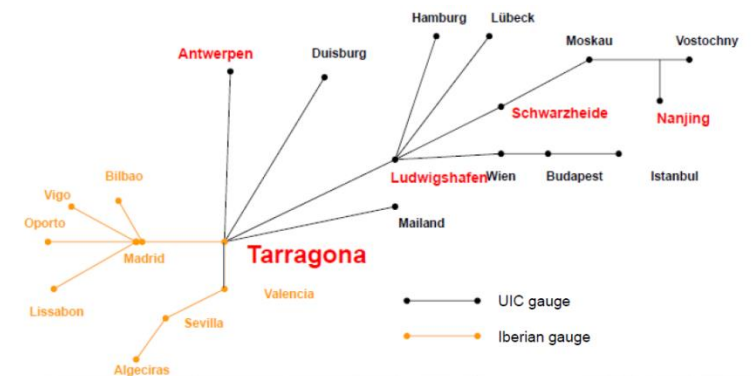
Thanks to this rack system, safety has increased, transport costs are reduced and CO₂ emissions minimized.



Intermodal terminal (project)



At the time being, the infrastructure for the **Intermodal terminal** is in project phase and there will be a capacity of 8 trains per day which means 114.000 containers per year with an operative service of 24 hours a day.



The terminal will connect the Tarragona Site with the European railway network, thus connecting the BASF Sites in Europe and making the Tarragona Site the Hub of BASF in South Europe.

Logistic Infrastructure

In-site tank farm

Situated within the Site, the tank farm has a total capacity of 6.398 m³ having still **tanks** available and ready for use.



Out-site tank farm

Situated at 4 km from the BASF Site in Tarragona and 1 km from the BASF jetty in the port, the tank farm is connected to these two BASF installations by rack.
Its total capacity is 26.660 m³, with **tanks** available for use.



- **Energies**
- **Wastewater treatment**



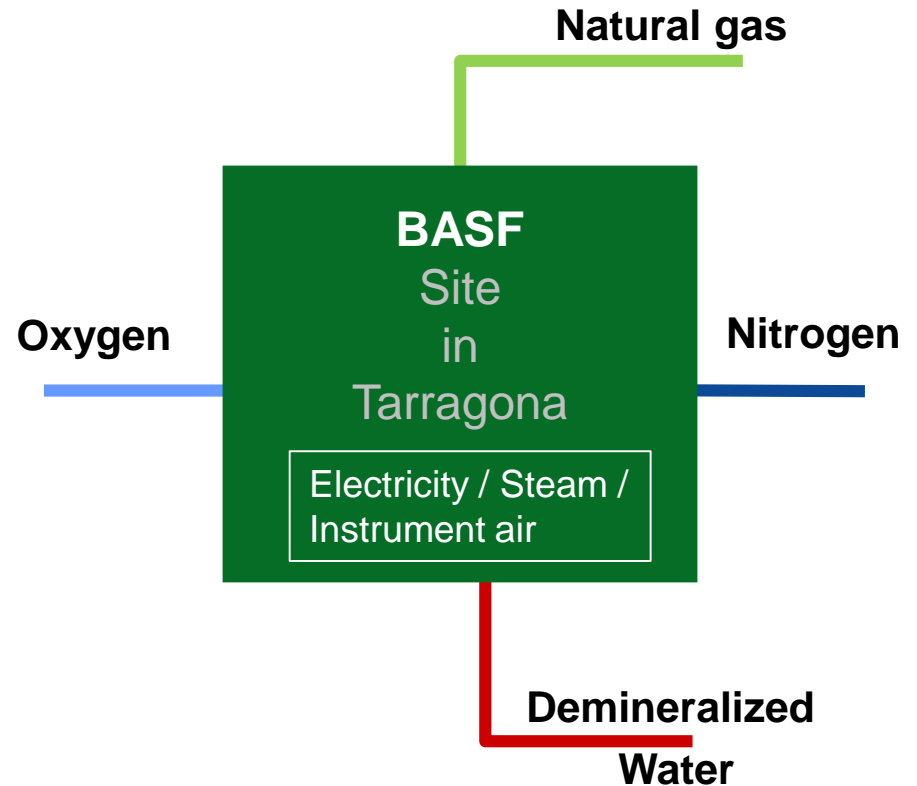
Energies / Wastewater Treatment

Energy supply

- Combined-cycle power plant (Tarragona Power)
- Distribution infrastructure

Wastewater Treatment Plant

- Physical-chemical treatment
- Biological treatment
- Joint outlet



Energies / Wastewater Treatment

Energy supply

The 400 MW combined-cycle power plant of Tarragona Power installed at the Site produces **electricity, steam and instrument air** for the whole Site, which is supplied to the clients by means of the existing infrastructure.

All other energies are received by pipeline and are also supplied to the clients by means of the existing infrastructure.

- **Natural gas**
- **Nitrogen**
- **Oxygen**
- **Industrial water**
- **Demineralized water**



Wastewater treatment plant

Capacity:

- **Physical-chemical treatment:** 75m³/h and 400kg Ms/h
- **Biological treatment:** 200m³/h and 320kg DBO₅/h
- **Joint outlet:** 300 m³/h (reserve for BASF)

There is free capacity available for the treatment of future wastewater.



Services



Services

Technical Warehouse

- Surface of 3.800 m²



Workshops

- Civil-Work workshop
- Mechanical workshop
- Electricity and instrumentation workshop



Logistics Services

- Transport Safety
- Customs-related issues
- Loading and unloading of trucks and ships



Laboratory analysis

- Laboratory specialized in environmental analyses



Consultancy

- Technical: Preparation of investments, etc.
- Administrative / legal: Authorization procedures, etc.



Safety/Security & Health

- Firefighting station
- Security and reception
- Medical Service



24 hours / day,
7 days/week

External incinerator

(not BASF)

- Situated in Constantí at only 8 km distance



Services

Consultancy

Our team at BASF provides **support and advice** to third-party companies during the preparation of the investments, the approval procedures, the execution of work and the start-up, as well as in the procedure to obtain the necessary authorizations.



Safety/Security & Health

The Tarragona Site is equipped with a **medical service** 24 hours a day, two ambulances and a medical center, furthermore, there is a **firefighting station** with two fire-fighting vehicles permanently on Site and an own fire-brigade.

Due to the fact of being located in a large chemical cluster, there is furthermore a common emergency response equipment available for chemical incidents called **Parc Químic de Seguret**.



The entire premises of the Site are fenced in and controlled by a **security service** 24 hours a day / 7 day a week

Servicios

Technical Warehouse

The BASF Site in Tarragona disposes of a **centralized warehouse** of 3.800 m² surface area, 62 % of which is covered and 38 % of which is at open air, thus offering to the third-party companies resident on the Site an optional service for the storage of their spare parts.



Workshops

The BASF Site in Tarragona disposes of **workshops equipped for all special areas.**

Civil Work



Mechanics



Electricity and Instrumentation



Services

Analysis in laboratories

A **laboratory** is available specialized in environmental **analyses** providing services to the companies resident on the Site.



External incinerator

Situated in Constantí at just 8 km from the Site, Sarpi is the concessionaire of the public service for the **incineration of hazardous waste** in Catalonia.

SARPI  VEOLIA



Services

Logistic Services



Transport safety: Adviser for hazardous goods



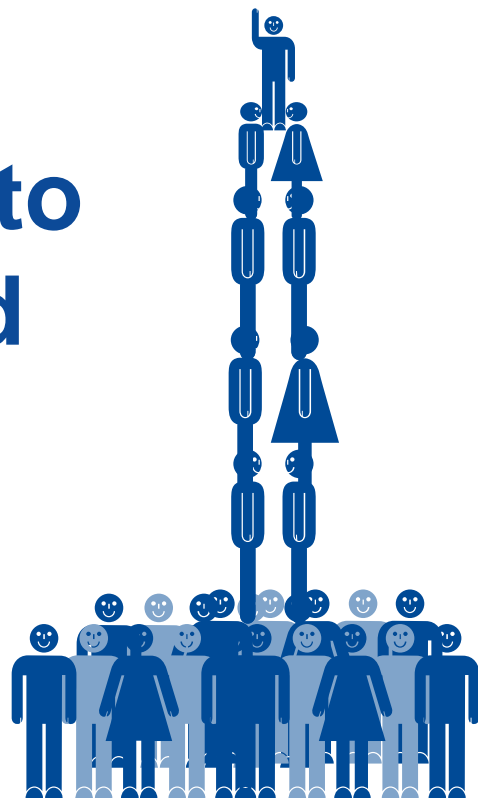
Loading and unloading of trucks and ships



Customs-related issues



Access to qualified staff



Access to qualified staff

Great availability of auxiliary industry

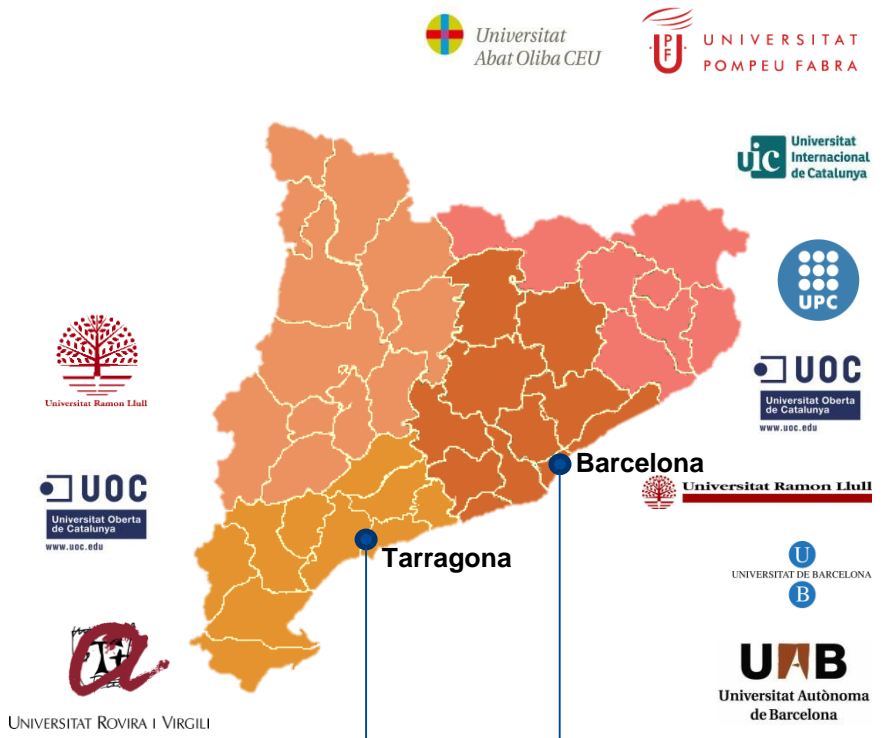
- Maintenance companies
- Technical support

Continuous contribution to R&D&I

- Research Centers

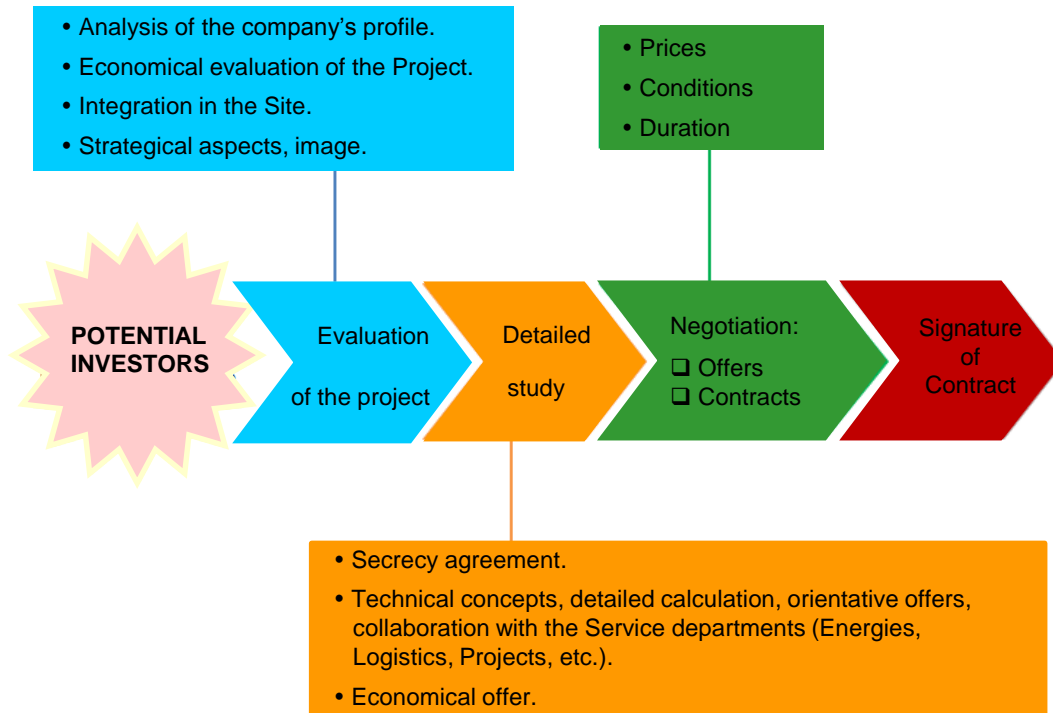
Access to qualified staff

- Professional training centers and universities



Catalonia having 12 Universities

Negotiation process



If you are interested in getting more information about the land and services available at the BASF Site in Tarragona, please contact:

Antoni Torà Ricart
Head of Site Marketing & Services Sales
antoni.tora-ricart@basf.com

o

Juan Carlos Romeo
Project Manager
juan-carlos.romeo-olmedo@basf.com



We create chemistry