



Erceros

KEY DATA 2024

1989
Foundation

1,335
Workforce

10
Factories

700 M€
Income

29 M€
Ebitda

55,5%
Export
(>100
countries)

PRODUCTION CENTERS

Chlorine derivatives

Intermediate chemicals

Pharmaceuticals



PRODUCTS APPLICATIONS

Divisions	Products	Applications
Chlorine derivatives	Caustic potash Caustic soda Chlorine EDC Hydrochloric acid PVC Sodium chlorate Sodium chlorite Sodium hypochlorite Trichloroisocyanuric acid (TCCA) VCM	Chemical industry Industry in general Manufacture of derivatives Manufacture of VCM Industry in general Construction Bleaching of paper pulp Water treatment Water treatment Swimming pool water Manufacture of PVC
Intermediate chemicals	Dipentaerythritol Formaldehyde Moulding compounds Paraformaldehyde Pentaerythritol Resins Sodium formate	Paints Manufacture of derivatives Electrical and sanitary material Resins Paints Lumber industry Tanning industry
Pharmaceuticals	Erythromycins Fosfomycins Fusidic acid	Skin infections Respiratory infections Urinary infections

RANKING BY MARKET SHARE

	Spain	Europe	World
Chlorine derivatives			
TCCA	1 st	1 st	-
Sodium chlorate	1 st	4 th	-
Sodium hypochlorite	1 st	11 th	-
Caustic potash	1 st	7 th	-
PVC	1 st	9 th	-
Caustic soda	1 st	9 th	-
Intermediate chemicals			
Formaldehyde	1 st	5 th	-
Paraformaldehyde	1 st	1 st	1 st
Polyols	1 st	2 nd	3 rd
Moulding compounds	1 st	2 nd	3 rd
Resins	2 nd	7 th	-
Pharmaceuticals			
Fusidic acid	-	2 nd	2 nd
Fosfomycins	1 st	2 nd	3 rd
Erythromycins	1 st	1 st	-

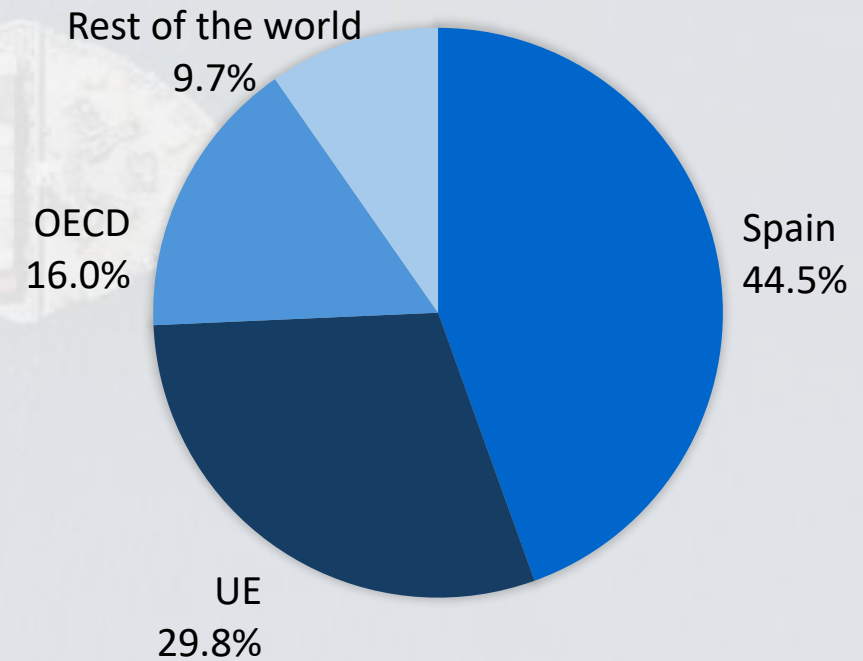
The data provided comes from calculations made by Ercros.

PRODUCTS AND MARKETS 2024

Our main products

Caustic soda
Paraformaldehyde
Polyols
PVC
TCCA

Our markets*



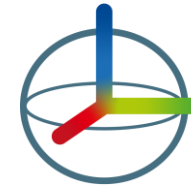
* Percentage of total sales.

PRINCIPLES

- Ercros' actions are aimed at increasing the value of the company and are guided by three basic principles:
 - Maximum safety for its employees, neighbours, and facilities.
 - Absolute respect for the environment.
 - Satisfaction of its customers' needs and total product quality.
- Ercros seeks to consolidate a solid and sustainable industrial group that generates social wealth, rewards the trust of its shareholders, and promotes the personal and professional development of its team.



STRATEGY

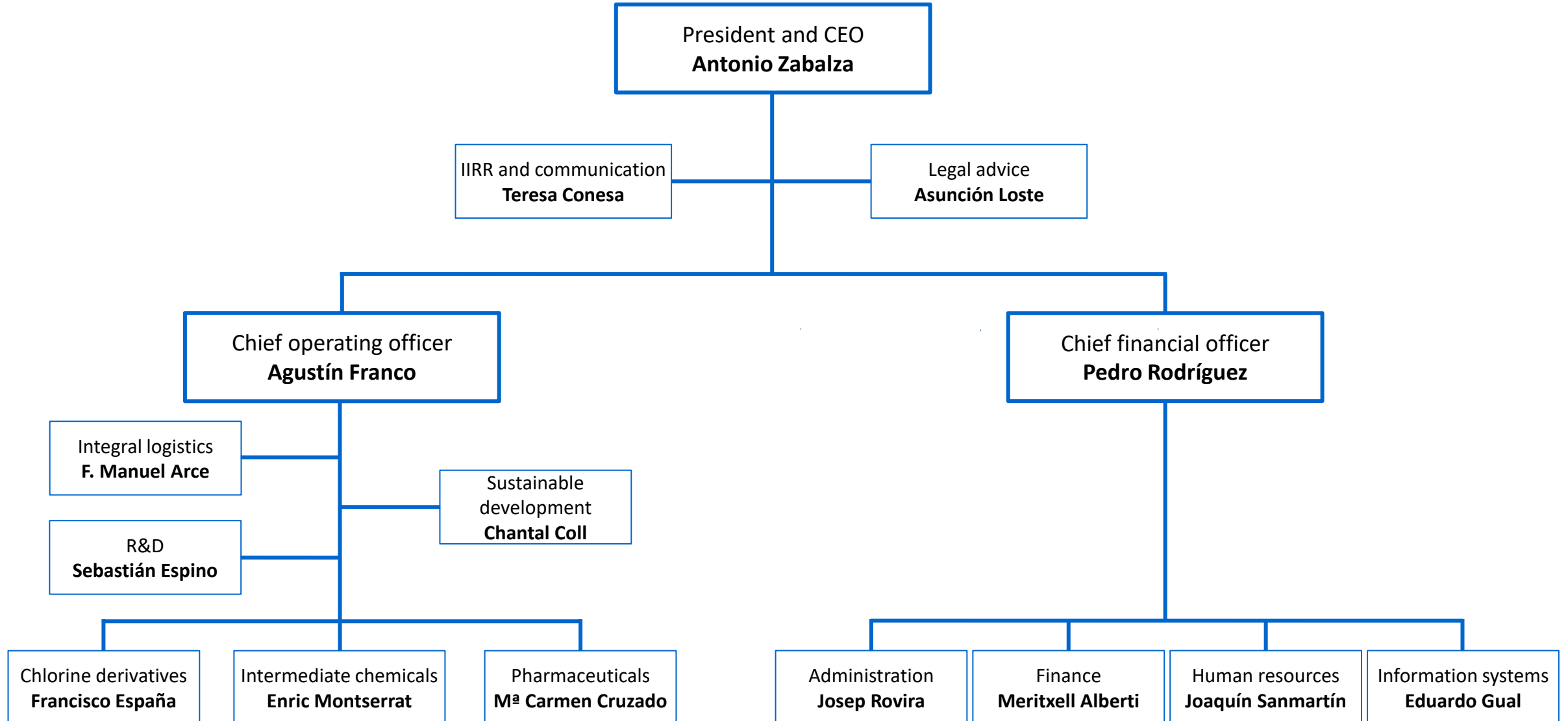


PLAN
ESTRATÉGICO
3D
DIVERSIFICACIÓN
DIGITALIZACIÓN
DESCARBONIZACIÓN

- Ercros defines its strategy in multi-year plans. The 3D Plan is currently in effect.
- This plan seeks to transform Ercros into a sustainable company and is based on three dimensions: diversification, digitalization, decarbonization, and the fight against climate change.
- The plan calls for an investment of 92 million euros over the period 2021-2029.
- The plan's investments are being implemented according to schedule.



ORGANIZATION CHART



A photograph of a large industrial chemical plant, likely a chlorine production facility. The image shows several tall, white distillation columns with yellow ladders and platforms. A dense network of yellow and blue pipes and structural steel frames fills the foreground and middle ground. The sky is clear blue, and a body of water is visible in the far distance on the right.

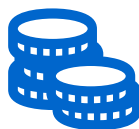
CHLORINE DERIVATIVES

KEY DATA 2024



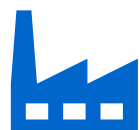
Staff: 616 people

46% of the total workforce



Sales: EUR 386 M

60% of total sales



Factories: 6

Tarragona (Tarragona)
Vila-seca I (Tarragona)
Vila-seca II (Tarragona)
Flix (Tarragona)
Sabiñánigo (Huesca)
Monzón (Huesca)



Export: 43%

BUSINESS MODEL

- The main activity of the chlorine derivatives division is the production of chlorine, caustic soda, and their derivatives.
- Chlorine, caustic soda, and hydrogen are obtained simultaneously in the same production process, through electrolysis, from sodium chloride dissolved in water (brine) and electricity, in a ratio of 1 ton of chlorine to 1.12 tons of caustic soda, the equivalent of 28 kg of hydrogen.
- The chlorine produced by Ercros is mainly used in the domestic manufacture of chlorine derivatives and, in particular, in the manufacture of PVC.

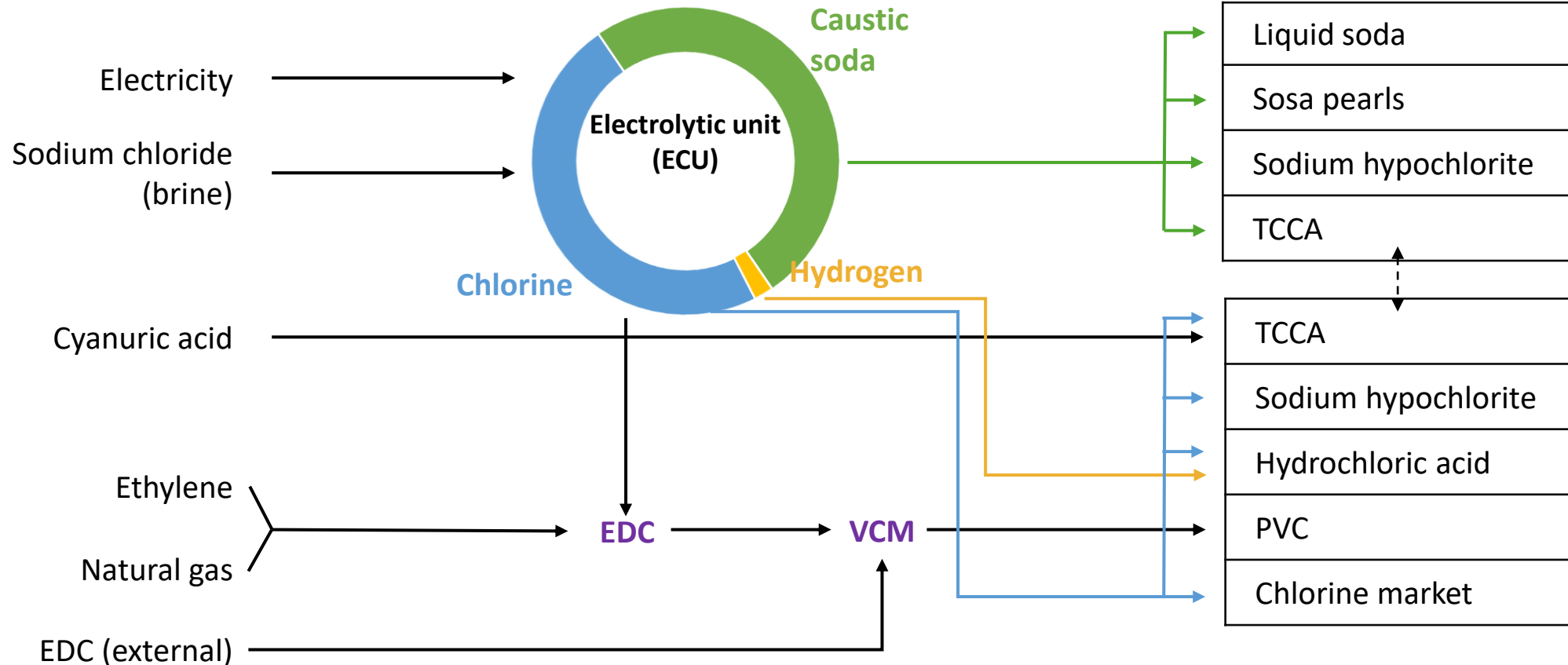


CHLORINE-SODA PROCESS

Raw materials / energy

Process unit

Final products



CONNECTION BETWEEN FACTORIES

Raw materials / energy

Process units

Final products

Electricity
Sodium chloride
Cyanuric acid



Sabiñánigo

Chlorate and chlorite
Ammonia and hydrogen peroxide
Caustic soda and TCCA

Electricity
Sodium chloride



Vila-seca I

Caustic soda
Hydrochloric acid
(synthesis) and hydrogen
hypochlorite

Chlorine



Market

Ethylene
Natural gas



Vila-seca II

EDC → VCM

EDC (external)

PVC



Monzón

PVC suspension

PVC compounds



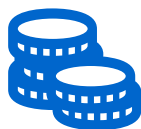
INTERMEDIATE CHEMICALS

KEY DATA 2024



Staff: 315 people

24% of the total workforce



Sales: 195 M€

30% of the total sales



Factories: 3

Almussafes (Valencia)
Cerdanyola (Barcelona)
Tortosa (Tarragona)



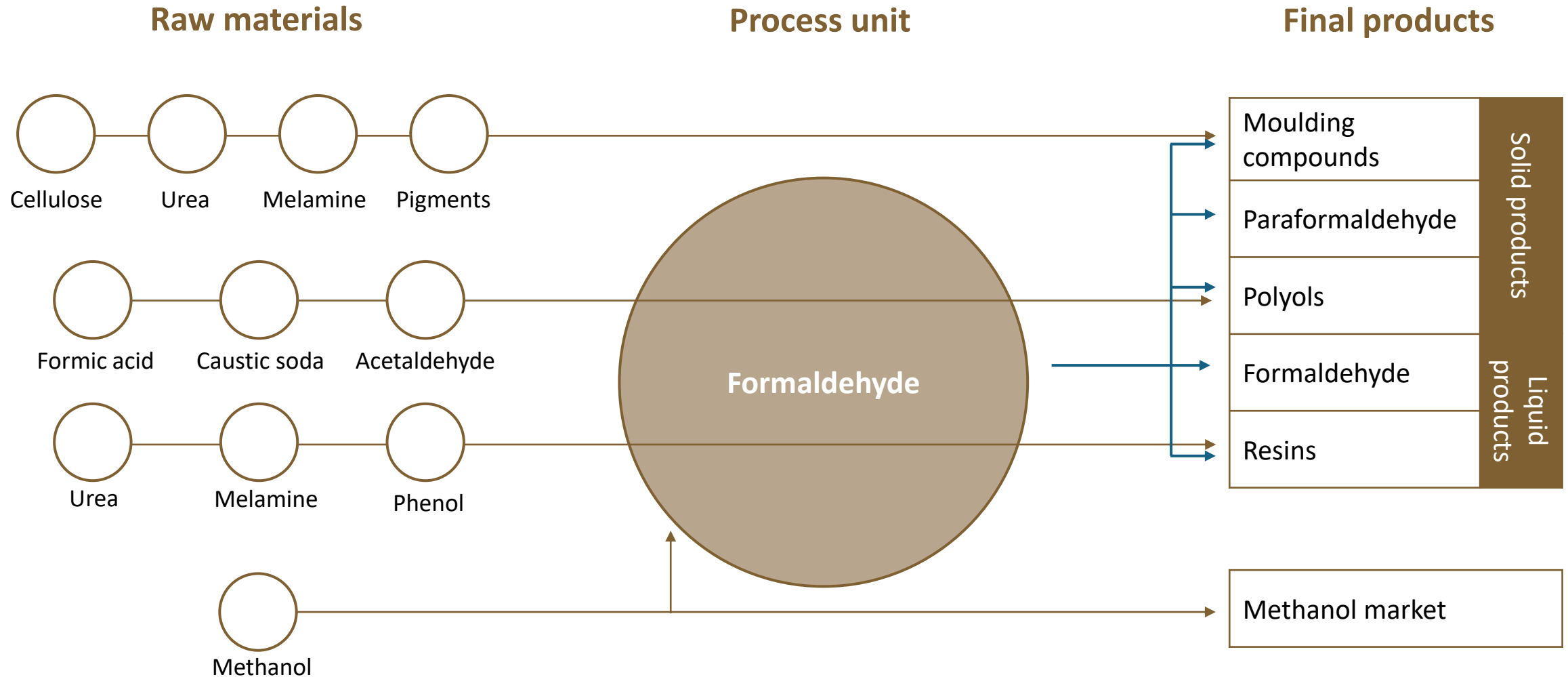
Export: 67%

BUSINESS MODEL

- Formaldehyde is the core product of the intermediate chemicals division, and methanol is its main raw material.
- 80% of the formaldehyde produced is used to manufacture derivatives, both liquid and solid.
- Solid products account for approximately 65% of the division's revenue and have a global market, with 90% exported.
- Liquid products, due to their water content and, therefore, higher transportation costs, have a smaller market, limited to a radius of between 800 and 1,000 km from the production centre.



FORMALDEHYDE PRODUCTION PROCESS



PHARMACEUTICALS

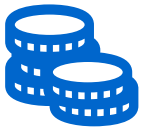


KEY DATA 2024



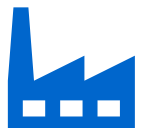
Staff: 232 people

17% of the total workforce



Sales: 63 M€

10% of total sales



Factories: 1

Aranjuez



Export: 96%

BUSINESS MODEL

- The pharmaceuticals division produces active pharmaceutical ingredients (APIs) used in generic and brand-name medicines, with a special focus on antibiotics.
- These antibiotics, manufactured by the pharmaceuticals division, are recognized on the essential medicines lists of the main international regulators (AEMPS, EMA, FDA, and WHO).
- The division also develops customized active ingredients and intermediates for third parties.
- Production utilizes synthesis and biological processes, including industrial fermentation, as well as sterile processes.



BIOLOGICAL PRODUCTION PROCESS

Raw materials

Sugar

Oil

Vegetable
proteinsMineral
salts

Oxygen

Process units



Process units



Final products

Fusidic
rawErythromycin
baseProduction for third
parties

Derivatives

- Fusidic acid
- Sodium fusidate
- Diethanolamine fusidate
- Sterile fusidic acid

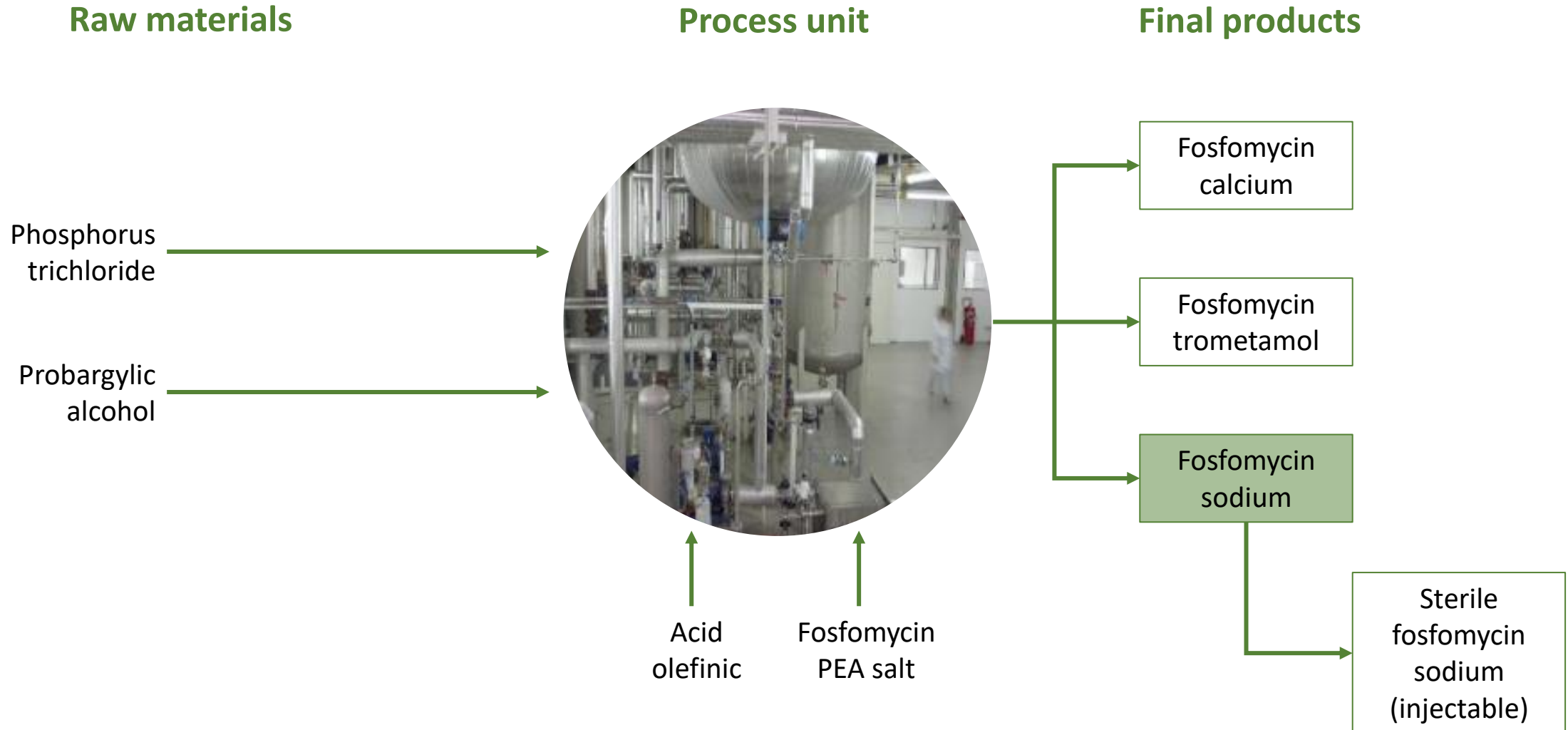
Salts

- Ethylsuccinate
- Stearate
- Stole
- Propionate

Derivatives

- Azithromycin
- Clarithromycin

CHEMICAL SYNTHESIS PRODUCTION PROCESS

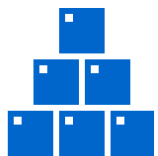




INTEGRAL LOGISTICS



KEY DATA 2024



Tonnes transported: **1,250,000**



Clients served by the CSC*: **1,331**



Chartered sea containers: **5,500**



Customer satisfaction: **99.7%**

Innovation & development



4

R+D
centrer

- Pharmaceuticals: Aranjuez
- Plastics: Monzón
- Basic chemicals: Sabiñánigo
- Intermediate chemicals: Tortosa



5

Registered patents and 2
applications
about products and
processes

4

Work
areas

- Develop new products and new applications of consolidated products.
- Improve the energy efficiency of processes.
- Advance in the decarbonisation of the activity.
- Technical assistance to customers.

MAIN PROJECTS

Chlorine derivatives

- New formulations of TCCA tablets.
- ErcrosBio: sustainable bioplastic formulations.
- New PVC grades incorporating recycled material.
- Bio-based polymer manufacturing processes.
- Electrode activation for electrolytic processes.
- Decarbonization of production processes.

Intermediate chemicals

- New ErcrosGreen+ and ErcrosTech resins with applications in higher-value-added sectors.
- New moulding compounds materials with improved stability for extreme weather conditions.
- New, more sustainable moulding compounds.
- Improved polyol processing to increase production efficiency.

Pharmaceuticals

- New active pharmaceutical ingredients through fermentation.
- Feasibility study of new antibiotic salts for sterile quality.

ESG performance

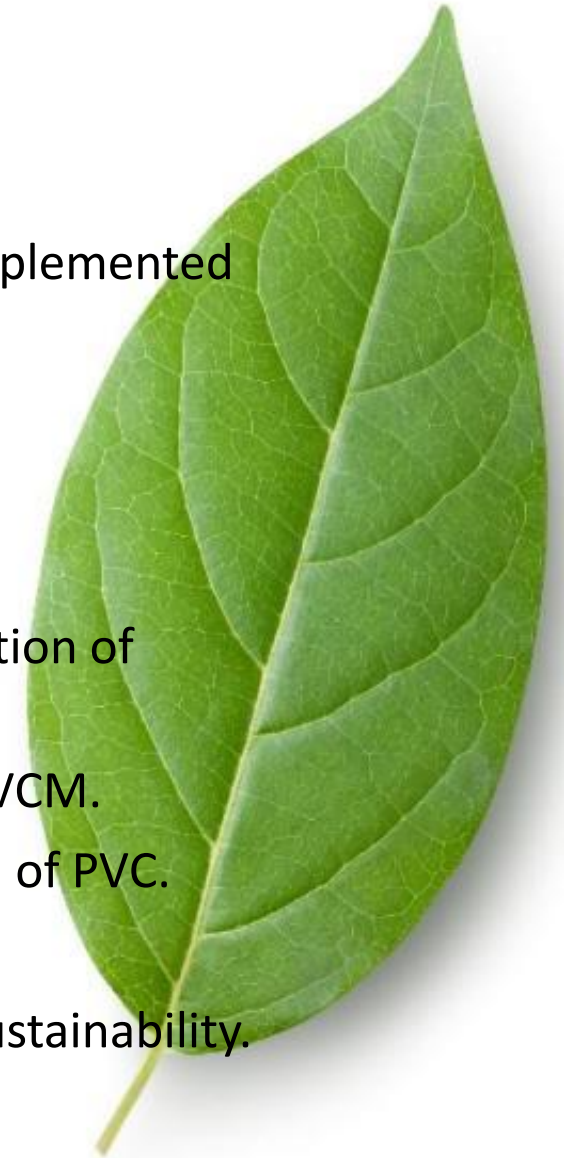
Environmental, social and governance



Environment

Certifications

- **ISO 14001:** Reference standard for the environmental management system, implemented in all factories.
- **ISO 14064:** CO₂ emissions verification standard.
- **ISO 50001:** Reference standard for the energy management system.
- **EMAS:** European Environmental Management System Registry.
- **ISCC PLUS:** Guarantees the provenance of renewable energy use in the production of chlorine derivatives.
- **ECVM Charter:** Recognizes sustainable practices in the production of PVC and VCM.
- **VinylPlus Supplier:** A benchmark in transparency in the sustainable production of PVC.
- **OCS:** Certifies the control of accidental losses of microplastics.
- **Ipes:** Recognizes companies in the Spanish plastics sector that work towards sustainability.



Environment

Voluntary programs

- **Green Hydrogen Platform of Southern Catalonia:** Interest group led by Rovira i Virgili University, whose goal is the implementation of green hydrogen.
- **RE4Industry:** EU project for 100% renewable energy for electro-intensive industries.
- **Climate Action of the Generalitat de Catalunya:** Commitment to achieving CO₂ emissions neutrality by 2050.
- **Carbon Disclosure Project (CDP):** Organization designed to assess the performance of member companies regarding the climate emergency. In 2024, Ercros obtained a B (Management) rating on a scale of A to E.



Safety, quality, production and distribution

Certifications

- **ISO 45001:** Standard certifying health and safety management, implemented in all factories.
- **Sigos:** Standard certifying the application of a healthy organization management system (Sigos).
- **ISO 9001:** Standard certifying quality, implemented in all factories.
- **FDA:** US Food and Drug Administration seal certifying pharmaceutical products (API).
- **GMP and GDP:** International approval for the production and distribution of APIs.
- **AEO:** Certificate from the State Tax Administration Agency as an authorized economic operator.



Governance and CSR

Certifications and voluntary programs

- **CSR Company:** CSR Certification as a company in the Responsible Care program.
- **IBGC:** Certificate of compliance with the good corporate governance index.
- **UNE 19601:** Accreditation of the criminal compliance management system.
- **ISO 27001:** Standard certifying the data protection system generated by Ercros and its stakeholders.
- **EcoVadis:** CSR rating agency. Ercros obtained 87/100 points and is in the Platinum category and among the top 1% of companies.
- **Responsible Care:** A global best practices program promoted by the chemical industry. Ercros obtained 85/100 points in the self-assessment questionnaire.
- **Global Compact:** A program promoted by the UN that contains 10 principles of action.
- **ESG Lighthouse Rating:** Promoted by the Spanish Institute of Analysts, it evaluates the level of compliance with ESG criteria. Ercros has obtained 86/100 points.



Sustainable Development Goals (SDGs)

In the development of its activity, Ercros contributes to the fulfilment of the 17 SDGs set out in the UN 2030 Agenda, although it has a special impact on:

- **SDG 3:** Good health and well-being.
- **SDG 6:** Clean water and sanitation.
- **SDG 7:** Affordable and clean energy.
- **SDG 8:** Decent work and economic growth.
- **SDG 9:** Industry, innovation and infrastructure.
- **SDG 12:** Responsible consumption and production.
- **SDG 13:** Climate action.



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