

# Thann

The Thann Plant is one of nine manufacturing sites that produce titanium dioxide for Tronox, the world's second-largest producer of titanium dioxide.  $\text{TiO}_2$  is a white pigment used to provide whiteness, brightness, opacity and durability to paint and coatings, plastics, paper and elastomers. Thann is in the Thur Valley in Alsace, France, near the border with Germany and Switzerland. The Thann Plant is located on a 15-hectare chemical complex. The Ochsenfeld site, an effluent treatment plant, is on an 80-hectare landfill located three kilometers from Thann.

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In 1922, the Thann Plant became the first in the world to produce  $\text{TiO}_2$ . The plant produces  $\text{TiO}_2$  through a sulfate-based process, a wet chemical process that uses sulfuric acid to extract and purify  $\text{TiO}_2$  in anatase crystal form. The raw pigment is then finished into a product with specific performance characteristics for particular end-use applications, essentially in the paper, paint, plastic and rubber markets. Specialty and high-performance  $\text{TiO}_2$  products from Thann include titanium tetrachloride that is used in the manufacture of  $\text{TiO}_2$ , in the automotive industry (pearlescent pigments for automotive paints) and also as a catalyst in the chemical industry. Another product, ultrafine  $\text{TiO}_2$ , is primarily used to improve our environment (air and water pollution control) and in the design of self-cleaning surfaces (photocatalysis).

## SAFETY

At Tronox, we aspire to achieve zero harm. We believe safety performance is the outcome of how we work. We operate our business realizing the mark we leave extends beyond the minerals we extract or the pigment we manufacture. It is about the way we do business and the example we set. Operating safely and responsibly is an integral part of our business.

## PERFORMANCE

Our commitment to sustainable growth balances the company's responsibility to provide economic value while respecting the social concerns of the community in which we operate and demonstrating care for the environment.

### • ECONOMIC

- Around 240 employees
- Annual payroll and benefits of almost 21.2 million euros
- Site purchases approximately 100.6 million euros of goods and services annually
- Annual property taxes of 245 000 euros
- An economic and territorial contribution and environmental royalties of 0.5 million euros

## RESPECTING SOCIAL CONCERNS

We recognize that being a socially responsible member of the community requires maintaining an open door for community dialogue and actively working to support community needs.

- **COMMUNITY**

Plant management meets regularly with the mayors of surrounding cities to maintain an open dialogue on plant operations. The management team also meets with close neighbors and retired colleagues to share information about the plant and to discuss community concerns or expectations. Additional public information sharing occurs through meetings organized with local and national journalists.



- **EDUCATION**

The site supports science education through partnership activities with local schools. Activities include facility tours for students (e.g. Lycée Lavoisier, ENSIC Engineering School) and participation in employment forums (e.g. orientation and career day in Mulhouse).

- **VOLUNTEERISM**

The company supports local cultural, artistic and sporting associations and events via our InTouch program. The main objective is to reinforce relations between employees, subcontractors, their families and the surrounding communities.

## CARING FOR THE ENVIRONMENT



- **EMISSIONS**

The plant has reduced SO<sub>2</sub> emissions by 75% since 1990. These results have been confirmed by the ASPA, the association which surveys the atmospheric pollution in Alsace. The site has developed a specialised team to achieve our targets in GHG emissions intensity reduction.

- **ENERGY**

We strive for continuous improvement in our environmental performance, reliability, and open communication.

- **WASTE**

We are continuously improving the neutralization efficiency of our effluents, the historical landfill remediation, and protecting the quality of the underground water and the neighboring river.

## WORKING HERE

At Tronox, we believe that our employees are the driving force behind our success. While our advanced technology and operational proficiency enable us to establish a strong market presence globally, it is our exceptional people that truly sets us apart. Our employees are the most diverse group in the industry, both culturally and geographically, and their extensive knowledge and abilities form the basis of our excellence.

## ABOUT TRONOX

Tronox Holdings plc is one of the world's leading producers of high-quality titanium products, including titanium dioxide pigment, specialty-grade titanium dioxide products and high-purity titanium chemicals; and zircon. We mine titanium-bearing mineral sands and operate upgrading facilities that produce high-grade titanium feedstock materials, pig iron and other minerals. With nearly 6,500 employees across six continents, our rich diversity, and unparalleled operational and technical expertise across the value chain, position Tronox as the preeminent titanium dioxide producer in the world. For more information about how our products add brightness and durability to paints, plastics, paper and other everyday products, visit [www.tronox.com](http://www.tronox.com).