

Thyssenkrupp Sofedit

# Meeting standard and cost requirements

It is costly for companies to meet environmental standards pertaining to industrial effluent discharges. Thyssenkrupp Sofedit was assisted when making choices, and opted for a cost-saving, efficient and proven solution.



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## Cetim's asset

Cetim's neutrality and its long standing experience with several thousands of testing hours for the treatment of effluents from mechanical industries are significant assets for SMEs when choosing their facilities.

management. Various solutions geared towards improving the quality of the effluents were recommended. Then, feasibility tests were carried out in order to make sure that the effluents met standards. At the same time, modifications to the existing facilities (and thus investment) were kept to a minimum level. The technical solutions selected in consultation with Thyssenkrupp Sofedit were the following: installation of an evapo-concentrator to purify effluents with high CDO contents, recycling of distillates in the cataphoretic bath, optimisation of the existing physical-chemical plant, making storage tanks compliant with regulations in case of liquid effluent leakage. The whole project was granted a subsidy from the "Agence de l'eau Loire-Bretagne" (water agency for the Loire and Brittany regions) of 50% for the study and 29% for the investments.

### OUR CLIENT

**Corporate name**  
Thyssenkrupp Sofedit

**Activity**  
Making structural parts for the automobile industry, by implementing stamping (especially hot stamping) techniques

**Turnover**  
162 million euros

**Workforce**  
Approximately 1,000  
Romain-de-Colbosc

**T**hyssenkrupp is a leading automobile equipment manufacturer which makes structural parts on its site located in Le Theil-sur-Huisne (61 - France). After stamping and assembly operations, automobile body parts are sent to a surface treatment line for detergent degreasing and cataphoretic protection. The 30,000m<sup>3</sup> of effluents generated every year are processed by a physical-chemical plant, and then discharged into the natural environment.

*"This purification plant no longer meets the release limitations dictated by the prefectural order applicable*

*to the operating permit", says David Lelardeux, in charge of environmental and safety issues. "We therefore called on Cetim to find an efficient solution that would allow us to comply with discharge regulation without having to use a biological purification system that would represent an excessively high investment cost and which would take up too much space."*

### Assistance in project management

In the scope of its project management assistance scheme, Cetim carried out a preliminary study on site in order to make an overall analysis of effluent