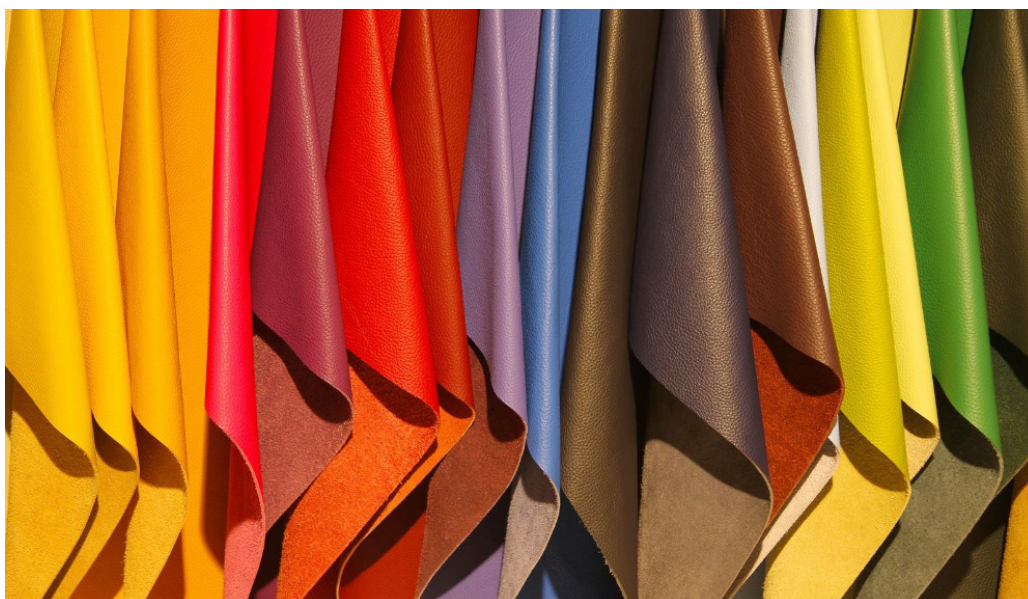


Matel Couleurs Textiles

Optimised investment for improved effluent treatment

Together with Cetim, the SME has completed an evaluation of its dyeing process and reduced the investment required for the treatment of its effluents by two thirds. As a result, it can now grow and carry on with its acquisition of production equipment.



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OUR CUSTOMER

Corporate

Matel Couleurs Textiles

Activity

Matel Couleurs Textiles is a company based in Roanne (Loire, France) specialising in textile finishing, more particularly the dyeing and dressing of "mesh fabrics".

Turnover

2.4 million euros (in 2016)

Workforce

29 people

Defining the right investment to achieve compliance without jeopardising the future of the company: this is the challenge faced by Matel Couleurs Textiles with the help of Cetim. Since its creation in 2010, this SME, based in Roanne (France), a leader in the dyeing and dressing of "mesh fabrics", had been releasing 400 m³ of effluents per day into the collective sewage system. But in 2016, the *Inspection des Installations Classées* (French Classified Facilities Inspectorate) asked Matel Couleurs Textiles to comply with the legal limit value for hydrocarbon release. But the company's self-monitoring, performed at regular intervals,

showed that this value was often exceeded.

A first overly-expensive project

In order to determine the solution to be implemented, the company sought help from a consultant, whose conclusion was that a treatment plant had to be installed, for a cost of 1 million euros. A completely inconceivable prospect for the company as this amounted to almost half its annual turnover! Matel Couleurs Textiles then contacted Cetim and, together, they analysed the entire dyeing process: degreasing, multiple intermediate rinsing operations, dyeing, etc., in order to find the polluting operations and define

suitable treatment procedures. The study showed that the hydrocarbons found in the process came from the fabrics delivered to the company and, more importantly, these hydrocarbons were eliminated during one single operation, namely degreasing. Finally, the volume of effluents to be treated only amounted to a maximum of 40 m³ per day, and an electrocoagulation process could be implemented to treat those effluents for a cost of 350,000 euros only. This came as a breath of fresh air for the company. "Since then, we have been anticipating our future with more serenity, and we even plan to make investments to increase our production by 30% within the next three years to conquer new markets", says Renaud Vancoillie, CEO of Matel Couleurs Textiles.

Cetim's asset



Cetim supports industrial companies with their environment-related projects. Cetim offers consulting, assistance and training services, in particular with regard to effluent management