



Mobile effluent treatment solution to boost the capacity of the existing plant

A world class sugar industrial, based in France and in several other countries (Brazil, Romania, Indonesia, etc.), has asked CTP environnement to design and set up a mobile solution to treat the effluents from the production campaigns (beet base).



To find the best technical and most cost-effective solution, CTP environnement experts have studied through a pilot unit the performance achievable, the cost, the time and the infrastructure requirements. CTP environnement has therefore designed a mobile processing solution, easy to implement, allowing to:

- Treat 50 m³ / hour (220 gpm) of effluents with high organic pollution load
- Set up in a predefined and very limited area of 70 m (229 ft) side triangle (CTP mobile units are versatile and offer low footprint)

CTP environment offers an exclusive service with its “turnkey solution approach”. The perfect collaboration between the client representatives and the dedicated CTP engineering team has led to achieve a great level of performance:



- **Treatment of carbonaceous pollution using 2 biological reactors with continuous aeration:** > 99 % of COD and BOD5 (up to 3 tons of COD treated / day)
- **Complementary biological sludge clarification** achieved using the Aeromobil® unit: > 99.9 % TSS caught up
- **Full compliance with environmental discharge standards**
- High reliability with > 98 % availability of CTP mobile unit over the overall duration of the project (12 months)