



France

Rendering the groundwater on a former industrial site compliant before being discharged

Water treatment using a mobile clarification bundled with a sludge conditioning/dewatering unit: Geofloc®

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A major player in all areas of the construction sector - property development, design and construction of all kinds of buildings - contacted CTP environnement for the treatment of groundwater on a former industrial site before discharging it into the municipality's sewage system.

CTP environnement designed a treatment solution, which was mobile, liftable with a crane for installation and laboratory tested upstream, while also meeting the site's requirements in terms of cost, deadlines and infrastructures:

- Treatment fluctuating between 10 and 30 m³/h (44 and 132 gpm) of effluent contaminated by mineral pollution: 800 to 1000 ppm of suspended matter.
- Installation in a confined and difficult-to-access area
- Reliability and performance are critical, because storing and/or redirecting the flow are unthinkable and would risk hampering and delaying the work that has begun.



By perfectly coordinating operations, commitments were adhered to:

- 97 % reduction in suspended matter
- Compliance with environmental standards: treated effluent ready to be discharged into the natural environment
- Conditioning and dewatering of the sludge generated using a geotextile membrane later disposed of in a specific facility.

The support of our partners, as well as the strategy adopted and tailored to constraints, helped to achieve this successful outcome by combining:

- Adherence with the time committed to mobilise the treatment unit
- Adaptation of the treatment solution to variations in on-site capacity, while complying with discharge standards.