

Rise to the environmental challenge

With Hydrotech filters in the Mining industry



Storage area Goro Nickel Mine, Kwe West Bassin, New Caledonia.
Photo: Barsamuphe, WikiCommons

Goro Nickel S.A., New Caledonia

New Caledonia, an overseas territory of the French republic in the Pacific, has one of the world's largest coral reefs. Stringent requirements are in place to protect coral life and fragile marine ecosystems from industries. A crucial aspect of the Goro Nickel project is to ensure that the process discharge won't harm the sensitive marine ecosystem.

The Solution

The new Effluent Polishing Plant uses 3 Actiflo® units followed by 4 Hydrotech Discfilters (tank version). The capacity ranges from 8 up to 70 ML/day to suit Goro Nickel's requirements, as per the upstream nickel processing plant.

The effluent polishing plant removes suspended solids coming from the acidic wastewater neutralization plant and the conventional clarifiers, and provides high quality treated water suitable for discharge into the sea.

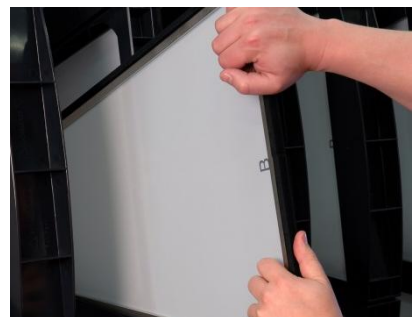
Mining applications

- Pre-treatment (intake water)
- Process wastewater treatment
- Tailing ponds
- Mine dewatering
- Boiler feed water



Hydrotech advantages

- Compact yet performant solution
- Easy operation, low maintenance and safe work environment
- Low power consumption
- Flexible, modular design
- Proven quality and exceptional longevity
- 30 years of experience and Global network ensuring local support and expertise
- First class engineering and manufacturing



Process applications

Together, Veolia and Hydrotech technologies can offer the best possible solutions. Our portfolio is comprehensive and allows for a vast number of winning combinations, all offering simple and user-friendly technology, low maintenance, and high utility to secure performance.

Intake water treatment

PUMP STATION



COARSE BAR SCREEN

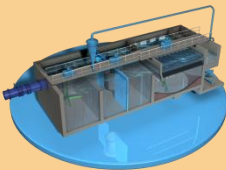


DISC- OR DRUMFILTER

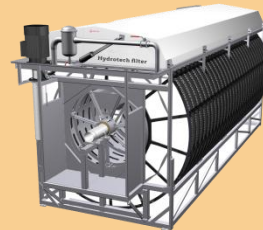


Process water treatment

CLARIFICATION
(Actiflo, Multiflo, DAF, settler)

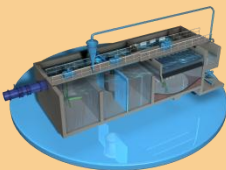


DRUM- OR DISCFILTER

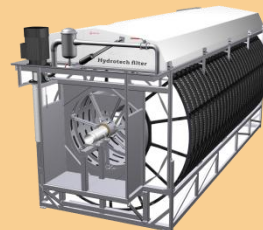


Tailing ponds (polishing step before pond)

CLARIFICATION
(Actiflo, Multiflo, DAF, settler)



DRUM- OR DISCFILTER

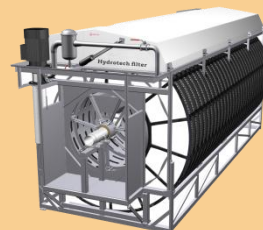


Biological wastewater treatment, clarification

BIOLOGICAL WASTEWATER TREATMENT
(MBBR, Activated sludge, Ecodisk)



DRUM- OR DISCFILTER



Veolia Water Technologies

Hydrotech technologies • Mejselgatan 6 • SE-235 32 Vellinge • Sweden

tel. +46 (0)40 42 95 30 • fax +46 (0)40 42 95 31

www.hydrotech.se