

About Veolia Activity and Key Figures for 2014

VEOLIA DESIGNS AND DEPLOYS CIRCULAR ECONOMY SOLUTIONS FOR WATER, WASTE AND ENERGY MANAGEMENT TO IMPROVE EFFICIENCY FOR CITIES, INDUSTRY AND CITIZENS.

















€23,880 million revenue

179,000 employees on 5 continents

6.8 M tons equiv. CO₂ avoided and

15.3 M tons equiv. CO₂ reduced 39.3 M

MWh of renewable or alternative energy consumed

34%

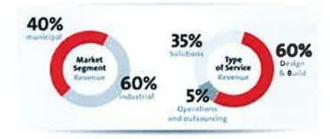
of the company's total consumption

Veolia Water Technologies

Veolia Water Technologies provides the complete range of services required to design, build, maintain and upgrade water and wastewater treatment facilities and systems for industrial clients and public authorities.

2014 Key Figures of Veolia Water Technologies











11% revenue





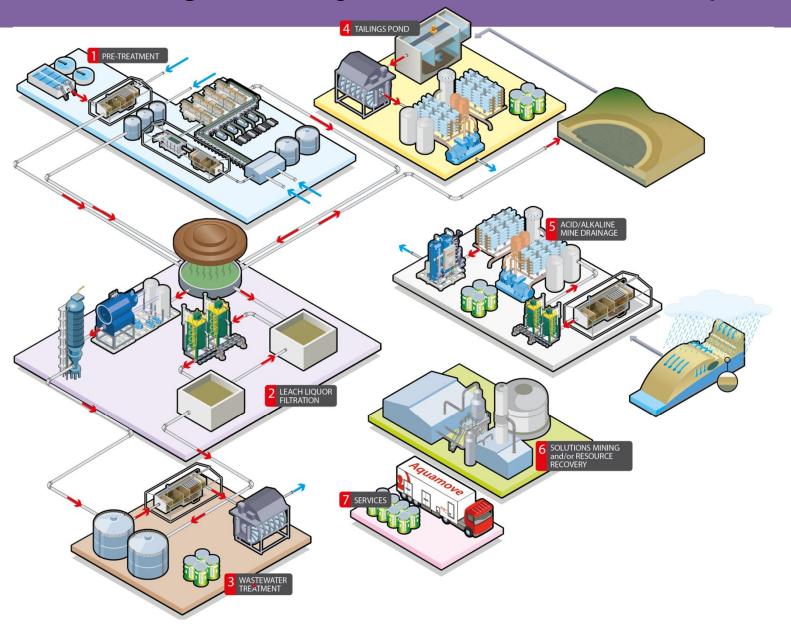
Veolia Water Technologies Finland

- Aquaflow Ltd.
- o Turnover 2014, € 11.4 million
- 40 Employees
- Market responsibilities:
 - Pulp & Paper industry -> Global
 - Veolia Water Technologies -> Finland, Estonia, Latvia & Lithuania





Mining Industry Needs & Technomap



Key Sub-Markets

Gold



Zinc



Potash



Silver



Iron



Uranium



Copper



Nickel



Coal



Bauxite



Phosphate



Rare earth



Innovative Technologies for the Mining Industry

ACTIFLO® Clarification

- Mine water treatment
- High Turbidity water treatment for process use
- Compact, ballasted sand, high rate wastewater clarification process

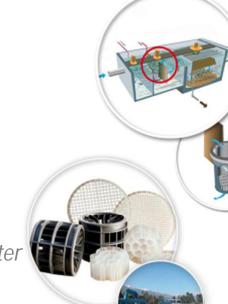
Turbomix[™] (patented technology)

- Improve process kinetics and efficiency
- Improve crystal formation
- Ensure optimum utilization of all chemicals
- Ensure a smaller flocculation tank footprint (ACTIFLO® Turbo Flocculation improved by Turbomi x^{TM})

AnoxKaldnes™ MBBR

- Moving Bed Biofilm Reactor
- Treatment of high ammonia, cyanide, and nitrate mine water
- Suitable for high BOD / COD waste water
- Nitrification / De-nitrification & biological cyanide removal

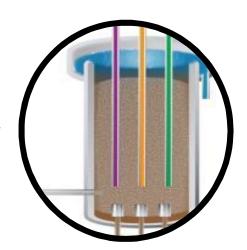




Innovative Technologies for the Mining Industry

•MetClean™ (patented technology)

- Adsorption of heavy metals to an active surface of FeOOH or MnO₂
- The active surface is continuously renewed
- Fluidized bed technology, no back wash and no stop, operating 24/7
- A coarse fine sandy granulate as residual. Inert or non hazardous classification of the residual according to EU standards
- Patented technology in EU, US and AU

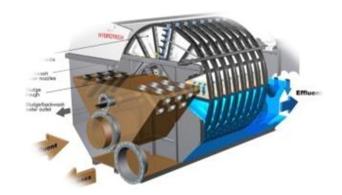




Other Proven Technologies for the Mining Industry

Hydrotech® Discfilters

 Produces Effluent with low turbidity and low suspended solids



Ion Exchange

Production of ultra pure water for process requirements

 Removal of particular ions, heavy metals or recovery of

valuable ions

Auto-Jet[®] & Filtra-Matic[™]

- Premium self-cleaning pressure leaf filters
- Gold/Silver Cyanide Leach Filtration (Merrill-Crowe solution)



HPD Evaporation & Crystallization

Solutions Mining

 Zero Liquid Discharge (ZLD)



Innovative Service for the Mining Industry

Mobile Water Treatment Services

- Mobile services for emergency rental, planned temporary hire, long-term contract
- Large fleet of mobile units using proven technologies: clarification, softening, filtration, reverse osmosis, ion exchange deionization
- Fast delivery



Mobile Water Treatment units in Finland

- Actiflo 100 m3/h
- o RO 25 m3/h



Focus on Water Reuse





Cutting Edge Technologies to Optimize Water Re-Use:

- Thallium Removal
- Selenium Removal
- Cyanide Removal
- LoSO4 Sulfate Reduction by Ettringite Precipitation