

CAE Solutions



CAE Solutions Inc.

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Environmentally Friendly Wastewater Treatments

Surpasses the Strictest Wastewater Standards in Canada

Cost Effective – Lower Capital and Operating Costs

Community Wastewater Treatments

Industrial Applications – Oil & Gas/Mining/Pulp & Paper

Scalable for all Needs and Requirements

Sustainable

CAE Solutions offer innovative wastewater treatment solutions for towns, communities, and industry applications. Through our partnership with Living Sky Water Solutions and various engineering firms, we have developed environmental solutions and technologies that are very cost effective, sustainable, and socially responsible. Our treated water has been given the approval to be discharge back into the environment and fish bearing water by WSA (Water Security Agency.)



Electro Coagulation & Flocculation

To effectively remove the majority of the waste particles from the wastewater, coagulation and flocculation methods have proven to be very effective. Coagulation and flocculation processes have become more and more popular due to the increasingly stringent filtration requirements for industrial and municipal water treatment and wastewater treatment facilities levied by government agencies such as the U.S. Environmental Protection Agency (EPA) and the Canadian Environmental Protection Act (CEPA.)



DAF System



DAF system (Dissolved Air Flotation) is a highly efficient treatment for the separation of suspended solids and contaminants from wastewater. The DAF can be integrated with the Electro Flocculation system or offered as a stand-alone product for your wastewater and industry treatment.

Carbon Filter

Carbon filters are most effective at removing chlorine, sediment particles, volatile organic compounds (VOCs), taste and odour problems from water, such as ammonia.



Titanium Filter

The never-ending problem with membrane-based water filtration systems is that they constantly plug and fail, which translates in higher operating costs. The Titanium Filter eliminates the cost and downtime for replacing membrane-based filtration systems by self-regenerating its filters automatically. The performance remains consistently high and particles are removed down to the nanometer (10^{-9} or molecular level.)



Ozone & UV

Ozone and UV. ... Two of the treatments are particularly effective when applied in concert with other systems. Both ozone and UV have long been used for inactivation of pathogenic organisms that can thrive in water and wastewater systems.



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