

Water and Wastewater Treatment Specialists

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ETP – Your Wastewater Working For You

ETP Services Limited design, supply, install, service and maintain industrial effluent treatment plants and associated equipment.

We are a team of experienced and trained engineers with the technical knowledge and expertise to advise you on all aspects of your Industrial Effluent Treatment Plant.

Whether you are looking for your first effluent treatment plant or you need to upgrade, optimise or repair your existing plant then we are here to help.

- Service and Maintenance Facilities
- Effluent Treatment Plant Projects/Installation
- Improvements to Existing Treatment Systems
- Screens
- Pumps and Mixers
- Sludge Dewatering Equipment
- Whitewater Systems
- Flocculators
- Chemical Pump Stations
- Storage Tanks
- Control Systems
- Wastewater Monitoring Systems
- Preventative Maintenance Solutions



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ETP Services provides a range of service plans to suit the wide and varied requirements of our customers. Service Contracts are available which have the added benefit of ensuring our 24-hour rapid response to any problems that may occur with your plant or equipment.

Benefits of regular Servicing and Maintenance

Servicing of the plant is important to:

- Ensure compliance with the treated effluent standards
- Maintain the optimum performance of the plant
- Prolong the life of critical components
- Maximise reliability
- Maintain a safe, clean working environment

Regular servicing improves the performance of the plant and can save costs by:

- Keep running costs to a minimum
- Minimising the chemical dosing rates
- Improve chemical reaction to reduce running costs
- Preventative Maintenance
- Increase the efficiency of the plant



Consequences of poorly maintained/performing plant

- Risk to production caused by unnecessary breakdown of plant
- Increased costs to the business which could be prevented
- Increased energy costs
- Increased chemical costs
- Unnecessary repair and callout charges
- Risks of fines due to non-compliance with the discharge standards

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DISSOLVED AIR FLOTATION PLANT

ETP Services supply a Dissolved Air Flotation effluent treatment plant which is a robust efficient system for the removal of floating solids from effluent streams to reduce the financial burden of trade effluent charges and maintain compliance with environmental permits. Our plants are ideal for new projects as well as replacement plants or existing plant upgrades.

Benefits:

- Energy efficient design
- Low running costs
- Easily maintained, few moving parts
- Adjustable white-water system to ensure maximum solids removal
- Reduced costs due to high quality effluent discharged to sewer
- Optimised dosing system to reduce chemical usage to minimum
- Plug and play design
- Fully automatic control system
- Control and monitoring system, standalone or connected to clients BMS
- Robust construction in 304 or 316 stainless steel

Applications:

- Ready meals and vegetable production
- Abattoirs, poultry or meat
- Commercial laundries
- Fish processing
- Dairy products
- Breweries and distilleries
- Baking and confectionary
- Rendering
- Paper mills
- Cosmetics and pharmaceuticals



The DAF unit creates white-water by dissolving air under pressure within a stream of recycled treated effluent and then releasing it to form micro bubbles in a continuous operation. The micro bubbles attach themselves to the solids within the effluent stream and float to the surface. The influent will often require chemical conditioning using a coagulant and flocculant to help improve this process. After rising to the surface the solids dewater and thicken before being removed by a mechanical scraper system. Any solids that sink are periodically removed by an automatic drain system. The final effluent is discharged to drain or for further treatment.

Whitewater Systems

A good white-water system is at the heart of any DAF plant. We supply and install white-water systems designed for your individual needs or to improve your existing system.

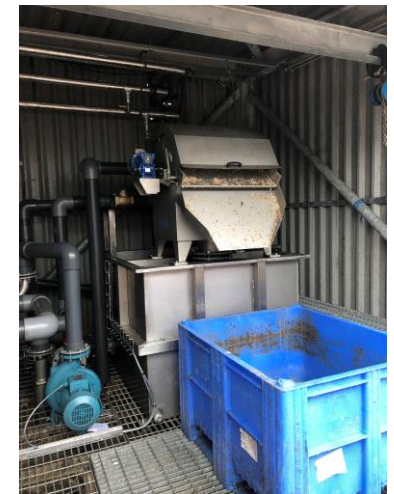


Inlet Screening

For most treatment processes it is imperative to remove the course solids within the effluent stream before it enters the balance tank or treatment system. We have a range of inlet screening solutions to suit your individual requirements. We also refurbish/repair existing screens.

Pumps and mixers

We supply a wide range of pumps for all applications, submersible pit pumps, submersible mixers for balance and sludge tanks, progressive cavity pumps and surface mounted pumps to eliminate the need to enter confined spaces. We also repair all makes of pump.



Chemical Dosing Systems

Bespoke Chemical Dosing stations manufactured to your individual requirements.



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Sludge Dewatering

Sludge tankering costs are a drain for many businesses. We supply screw-press systems which will dewater the sludge and drastically reduce the volume and therefore the cost of sludge disposal. Trial unit available.

Storage Tanks

Supply and installation of bulk storage tanks for effluent, sludge and chemical storage.



If you require any further information please don't hesitate to contact us

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