

WASH BAY SOLUTIONS



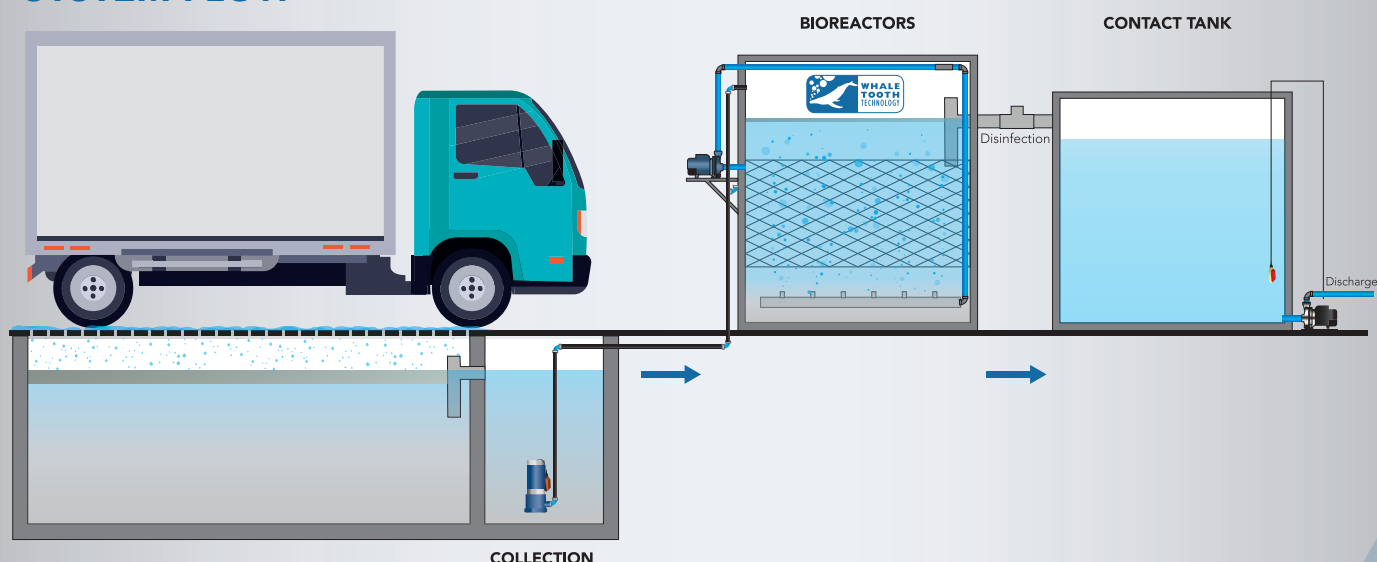
BACK2BLUE WASTE WATER RECYCLING SYSTEMS

Recycling wash bay water is one of the simplest and quickest ways to cut costs. The return-on-investment periods are typically short (under 1 year) and the savings are immediate.

Bac2Blue is Clearedge's biological wash bay treatment system. It provides a simple, sustainable and environmentally responsible solution to the recovery and cleansing of wash bay water. This results in a dramatic reduction in water consumption (over 90%), thereby reducing costs whilst fulfilling environmental responsibility.

Our natural biological process provides an environment for bacteria to flourish. The bacteria in turn breaks down the soap and grease in the used wash-bay water.

SYSTEM FLOW



HOW IT WORKS

- The **Bac2blue** system is fitted to an existing car wash.
- Dirty water is collected from the final chamber of the SOG pit and fed to our system via a submersible pump.
- Water is cleaned in the **Bac2blue** system using Clearedge's patented Whale Tooth™ aeration technology in the bioreactors.
- Clean water is disinfected and stored in a tank, from where it is fed back under pressure to the car wash hoses.

THE CLEAR ADVANTAGE

24/7/365 OPERATION

We have designed the system to ensure that the wash bay can operate at all times:

- A municipal or rain water supply top-up is fitted to the storage tank.
- The system is automatically topped up to compensate for losses due to evaporation and water left on wet cars (5 – 10%).
- If need be the **Bac2blue** system can be turned off at any time and the wash can revert to the municipal supply.

AUTOMATED SYSTEM

- Clearedge's systems are plug-n-play with no specialised operation required.

SUBMERGED AERATED FIXED-FILM (SAF)

- Tried-and-tested technology.

EXTREMELY LOW MAINTENANCE

- Built to withstand demanding operating conditions.
- No blockages - the smallest aperture below the liquid is a 50mm diameter.
- Readily-available replacement parts from a local hardware store.

QUALITY OF TREATED EFFLUENT

- Treated water which is clean, odourless, sterile and meets international standards for car wash water.
- The parameters specified for car wash water relate primarily to possible corrosion and paint damage.
- The treated water can be used as the final wash.
- Clearedge conduct regular tests on our systems to ensure these parameters are met.
- Results of these tests are available upon request.



**100%
NATURAL**

Biological
Process



**+ 90%
SAVING**

on
Recycled Water



CLEAN & CLEAR

Suitable for
Final Wash



PLUG'N'PLAY

Fitted to your
existing system



PATENTED

Proven
Whale Tooth™ Technology

FINANCE OPTIONS

Clearedge Projects can offer various financial models:

- Outright sale
- Lease
- Discounted water supply
 - We supply and install all the equipment
 - We charge a fixed cost per kiloliter to treat the water

GET IN TOUCH

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