

Bubble Curtains for marine & freshwater



Marine wildlife protection from sound & vibration during construction



Inlet & abstraction protection



Oil pollution containment



Debris & litter management



Emergency aeration



Silt plume control

99%

Shown to reduce harmful sound & vibration by over 99% during marine construction

24/7

Bubble Curtains can be used as a temporary or permanent solution depending on your need

5*

A self-purging, low maintenance system which comes with a 5 year warranty

1

Frog Environmental is the only distributor of commercial

Bubble  Tubing*



frog
environmental

Bubble curtain
& water quality
specialists

Product sales | Technical support | CPD & training

24/7

Bubble Curtains can be used as a temporary or permanent solution depending on your need

5*

A self-purging, low maintenance system which comes with a 5 year warranty

100%

100% committed to providing you with an adaptable solution, full design service & technical support

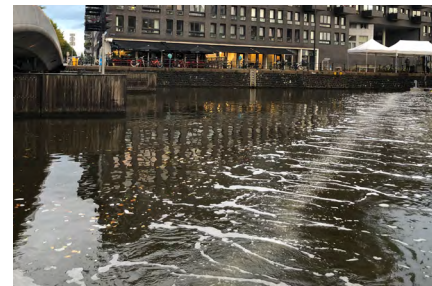
99%

Shown to reduce harmful sound & vibration by over 99% during marine construction

Bubble Curtains provide environmental protection without restricting navigation

Sound & vibration control

- Extend working hours on marine construction sites
- Reduce preliminary costs
- Approved mitigation for fish & mammal protection on permit applications
- Full design service and sound attenuation modelling

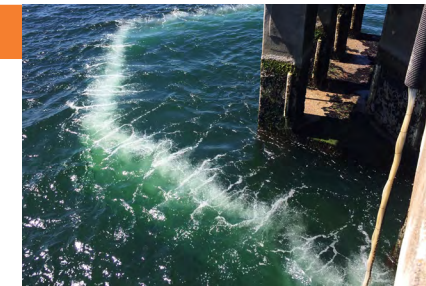


Oil pollution containment

- Rapid deployment to reduce the spread & impact of a pollution event
- Temporary or permanent installations for ports & marinas
- Environmental protection without using physical barriers
- Low maintenance and simple to operate

Inlet & abstraction protection - jellyfish, fish, litter & debris

- Effective protection without restriction on craft movement
- Protect high value residential & commercial water space from litter & debris
- Proven solution for jellyfish control
- Protect critical assets from debris & biomass



Silt plume control

- Protect port infrastructure from silt accumulation
- Effective silt plume control without restricting navigation
- Protect sensitive habitats from silt accretion damage
- Simple to deploy, reposition and remove

Temporary or permanent aeration

- Aeration improves water quality and prevents fish kills & algal blooms
- Used in ports, marinas, rivers, lakes, reservoirs & aerated reedbeds
- Superior oxygen transfer efficiency that reduces operational costs and aerates the entire water column



South Shields Regeneration: Bubble curtain reduces noise by 99% during marine construction

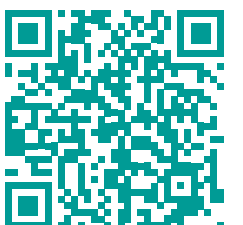
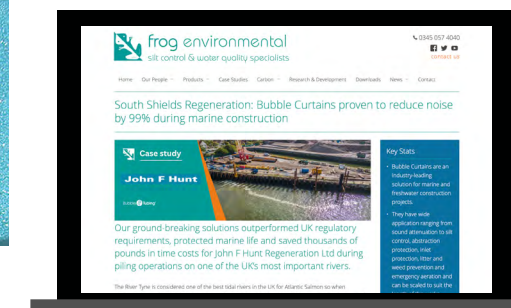
Our ground-breaking solutions outperformed UK regulatory requirements, protected marine life and saved thousands of pounds in time costs for John F Hunt Regeneration during piling operations on one of the UK's most important tidal rivers for salmon.

“The results were quite dramatic – in fact, startling... we have a workable solution that we've proved has a dramatic impact on noise propagation.”

David McLaren, John F Hunt Marine and Civils Site Manager

- ✓ 99% reduction in noise was achieved during piling operations (verified by independent environmental regulation specialist)
- ✓ Exceeded regulators' standards & protected migrating fish
- ✓ Longer construction hours per day working through the tidal range
- ✓ 91m bubble curtain designed & full technical support given
- ✓ The bubble curtain can be reused on other sites across their network

Scan to read this case study in full or to watch the video



Free CPD training

Bubble Curtains CPD

Silt Control CPD



Contact

bubblecurtains.co.uk

info@frogenvironmental.co.uk

0345 057 4040

 [frog-environmental](https://www.linkedin.com/company/frog-environmental)



Working in partnership with

Bubble  Tubing®

Product sales | Technical support | CPD & training



* A 5-year warranty is offered against manufacturer's workmanship and quality. It does not extend to poor usage, mishandling or anything outside of the manufacturer's control