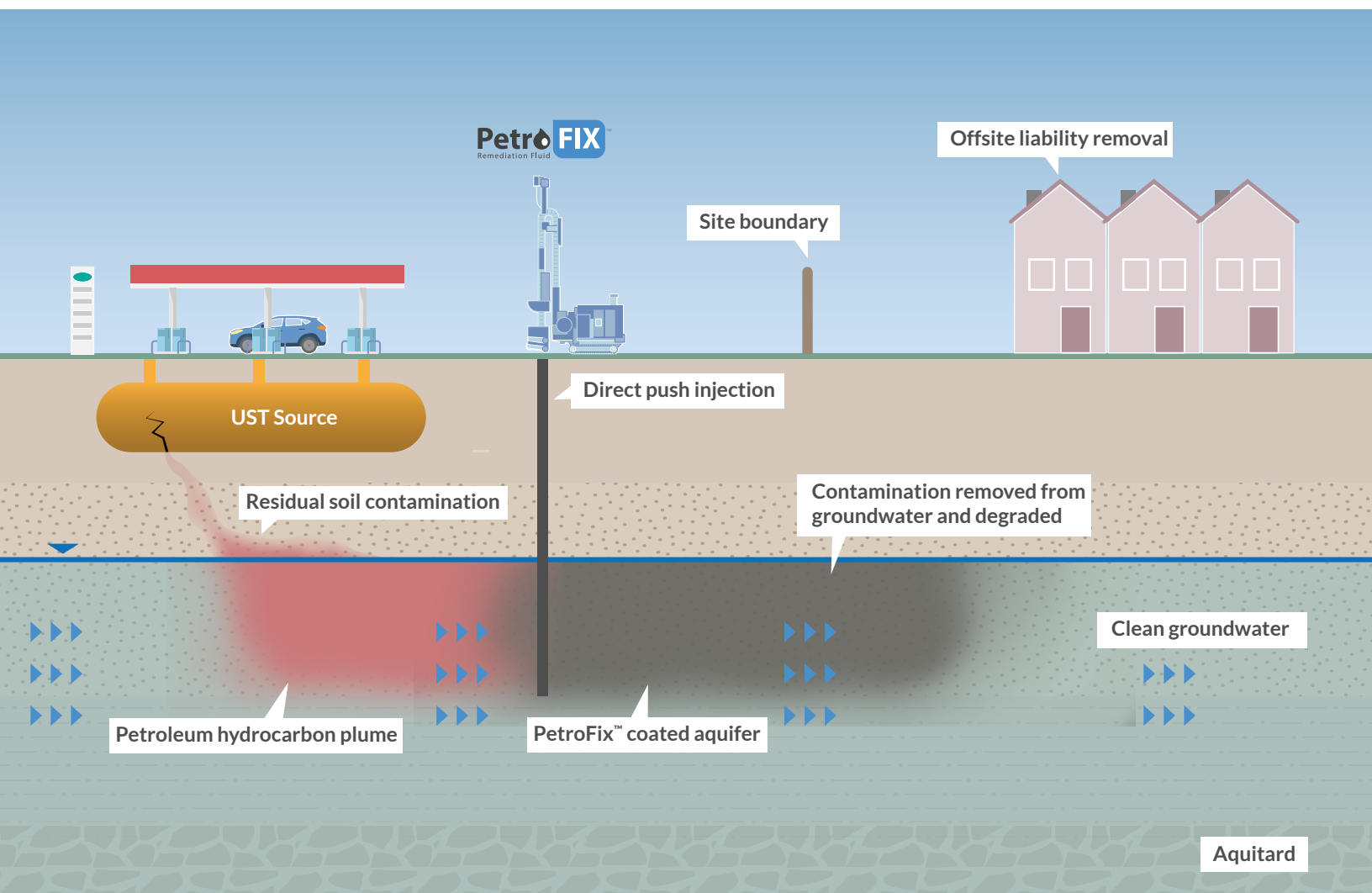


# PetroFIX™

Remediation Fluid

## An innovative remediation fluid for treating oil spills, leaks and plumes



# The technology at a glance

Engineered to provide immediate and long-lasting results for petroleum retail stations, domestic oil spills and industrial sites, PetroFix™ is a cost-effective, in situ treatment for petroleum hydrocarbon contamination.

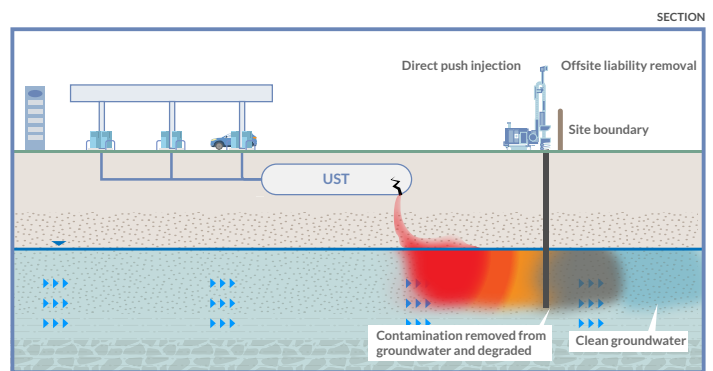
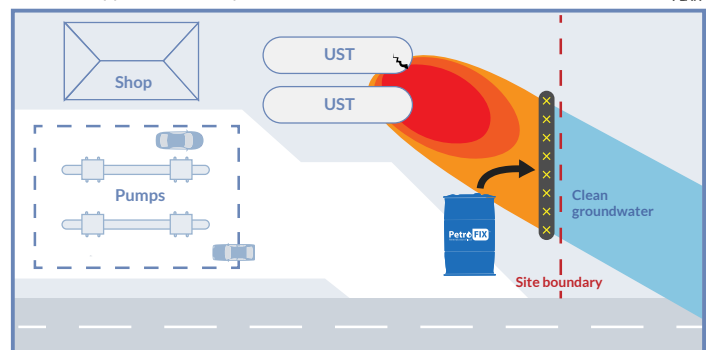
## What is PetroFix?

PetroFix is a water-based suspension of micron-scale (1-2µm) activated carbon and biostimulating electron acceptors (slow and quick-release nutrients).

## How does it work?

- 1) PetroFix distributes in the subsurface and coats the soils with micron-scale activated carbon.
- 2) Petroleum hydrocarbons rapidly sorb to the activated carbon, removing them from the groundwater.
- 3) Electron acceptors in the PetroFix kick-start natural biological degradation of the contamination sorbed.
- 4) Biological degradation rejuvenates sorption sites to allow further influx sorption, providing a long-term treatment.

PetroFix Application Example 1: Barrier



PetroFix is simply mixed with water and applied



## A wide range of applications

Target recent oil spills or existing plumes from old leaks. Protect receptors, reduce vapour risk, remove offsite liability. Protect against future pollution events by coating bedding material around tanks and pipework.



## Safe to use

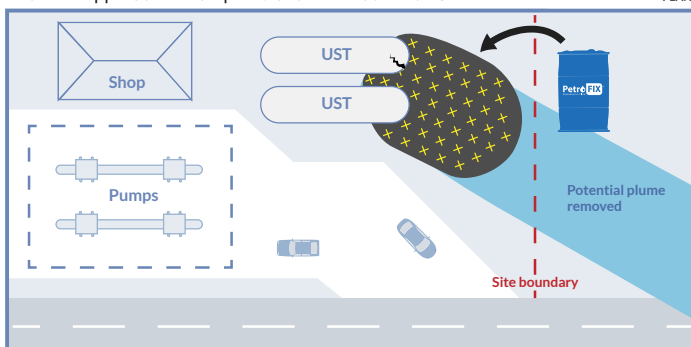
PetroFix is made from natural non-hazardous carbon and nutrients. It requires only dilution before application by hand or pump. A single application minimises operative exposure onsite.

# PetroFIX™

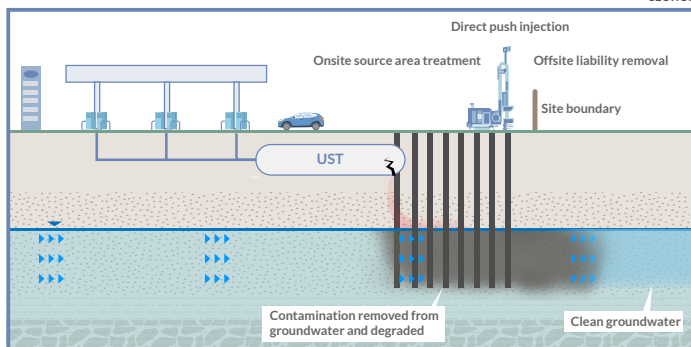
## Remediation Fluid

PetroFix Application Example 2: Source Treatment - Grid

PLAN

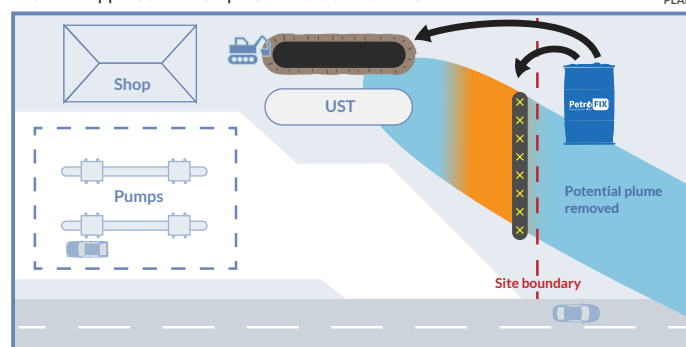


SECTION

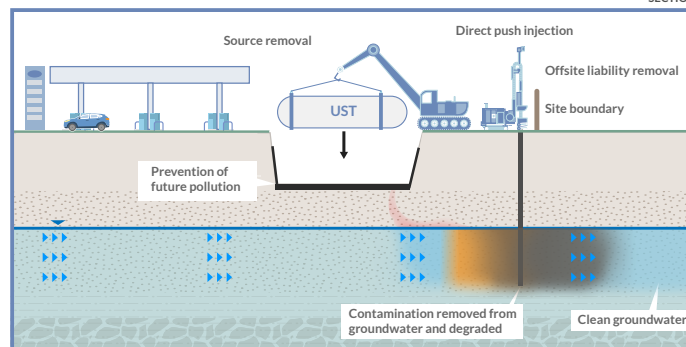


PetroFix Application Example 3: Excavation and Barrier

PLAN



SECTION



### A flexible approach

Inject at the site boundary to create a purifying filter and prevent contamination leaving the site. Target the source area to rapidly reduce the impact to onsite groundwater. Place into excavations, apply by direct push or through injection points.



### Reduce cost and disruption

Whatever your site, application of PetroFix is quick, needing only a single injection. Nothing is brought to the surface and no equipment remains to take up space onsite. This means that business can continue as usual, while the treatment continues under the ground.



### Excellent distribution properties

PetroFix is designed to flow into contaminant flux zones under low pressure, avoiding the need for high pressure injection or fracturing.



### Powerful treatment

A combination of sorption and biological degradation result in rapid and sustained reductions in contaminant levels.

# PetroFIX™

Remediation Fluid

## Site types:

- Petroleum fuel spills
- Domestic oil spills/leaks
- Petrol Stations
- Rail
- Fuel distribution and storage facilities
- Industrial sites
- Underground Storage Tanks

## Target contaminants:

- Petroleum Hydrocarbons
  - Gasoline range
  - Diesel range
- BTEX
- MTBE
- Creosote
- PAHs

## Simple to use:

- Can be applied immediately after LNAPL skimming
- Inject under low pressure
- Pour into open excavations
- Add to UST or pipework bedding

Contact us on +44 (0)1225 61 81 61 or email [europa@regenesi.com](mailto:europa@regenesi.com) to have a confidential chat, request an office meeting or a free site design.

## PetroFix application results:

