Clear.
Create.
Maintain.

How it works

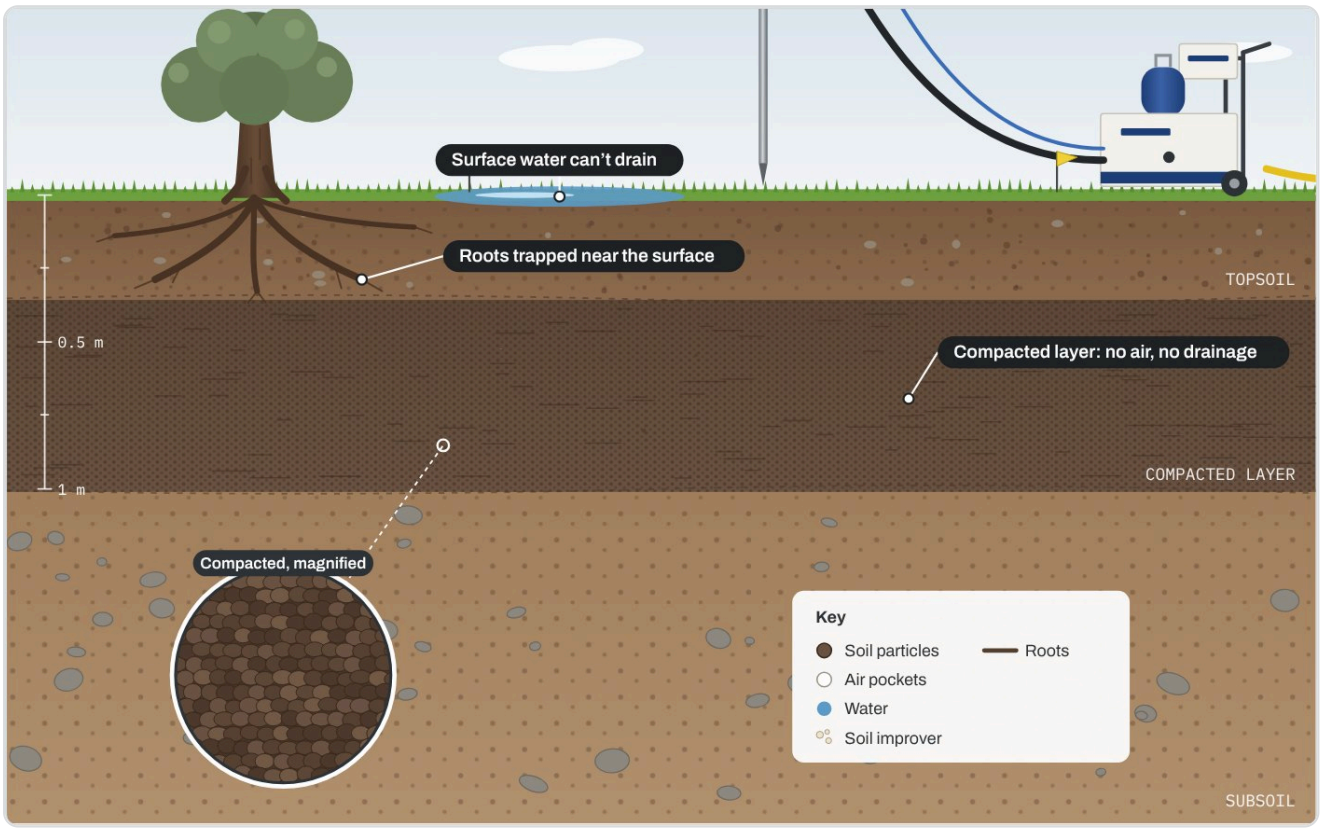
Impact aeration

Relieving compacted soil around trees, lawns and planting, without digging.



The problem: compacted soil

Construction traffic, parking, footfall and heavy machinery squeeze the soil until the air spaces roots need have gone.



What happens

Water sits on the surface or runs off. Roots can't get through the compacted layer, so they stay shallow and short of air. Trees decline slowly, often years after the damage was done.

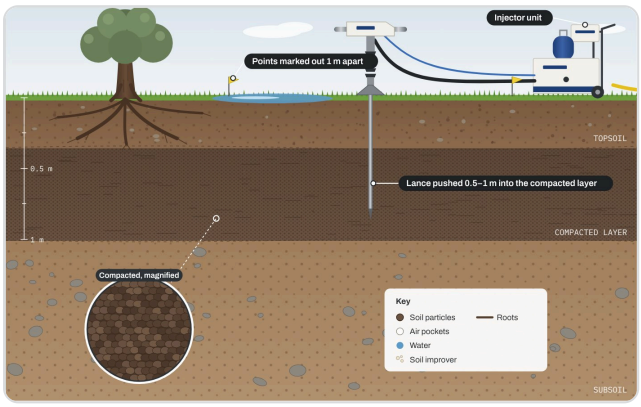
Signs to look for

- Water ponding on grass after rain
- Thin, patchy or yellowing grass
- Trees with sparse or dying canopies
- Shrubs that have stopped growing
- Ground that is hard to push a fork into

> Compaction is one of the most common reasons for failing trees and waterlogged grass on **new developments, car parks and public spaces**.

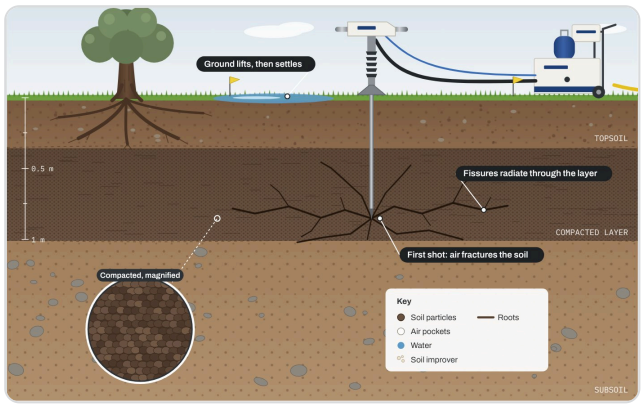
How impact aeration works

Compressed air breaks up the compacted layer from below, then a dry soil improver keeps it open.



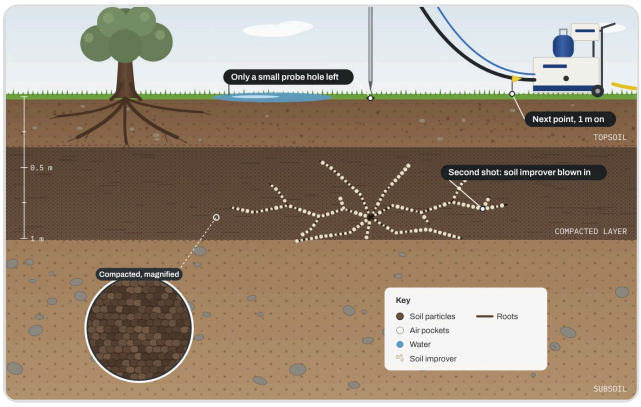
1 Probe

Points are marked out 1 m apart. At each one, the lance is pushed 0.5–1 m down into the compacted layer.



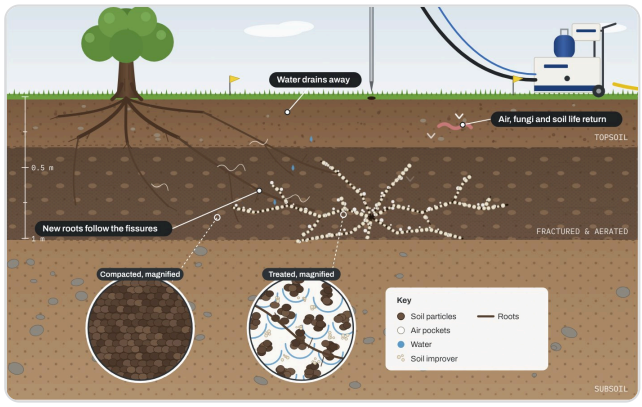
2 Fracture

A first shot of compressed air cracks the soil, opening fissures through the layer. The ground lifts slightly, then settles.



3 Inject

A second shot blows a dry soil improver into the fissures to hold them open. Only a small probe hole is left.



4 Recover

Air and water move through the soil again, surface water drains away, and roots, fungi and soil life follow.

On site

We use Vogt compressed-air equipment. It's quick to set up and works in gardens, open space and around trees.

0.5–1 m
treatment depth

1 m grid
between injection points

Same day
areas usually back in use







Where we use it

- **Waterlogged lawns** and open space
- **Declining trees** in car parks and next to buildings
- **New developments,** after construction traffic
- **Sports pitches** and amenity grass
- **Planting beds** where shrubs have stalled

Why it works

- No digging and no excavation
- Lawns, paving and planting stay intact
- Treats the root zone without cutting roots
- Drainage often improves straight away

Common questions

What clients usually ask before we start.

Will it damage tree roots?

No. The air follows the path of least resistance through the compacted soil, and we plan the injection points around the root zone.

How quickly will we see results?

Drainage often improves straight away. Trees recover over one to two growing seasons.

Is there much disruption?

Very little. There's no excavation, only small probe holes, and areas can usually be used again the same day.

What if the ground still doesn't drain?

Where compaction isn't the only problem, we can install land drains or soakaways, and re-turf afterwards if needed.

Do you treat domestic gardens?

Yes. We work for homeowners as well as developers, housing providers and commercial sites.

Book a free site survey

Monday to Friday, 8:30am to 4:30pm

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