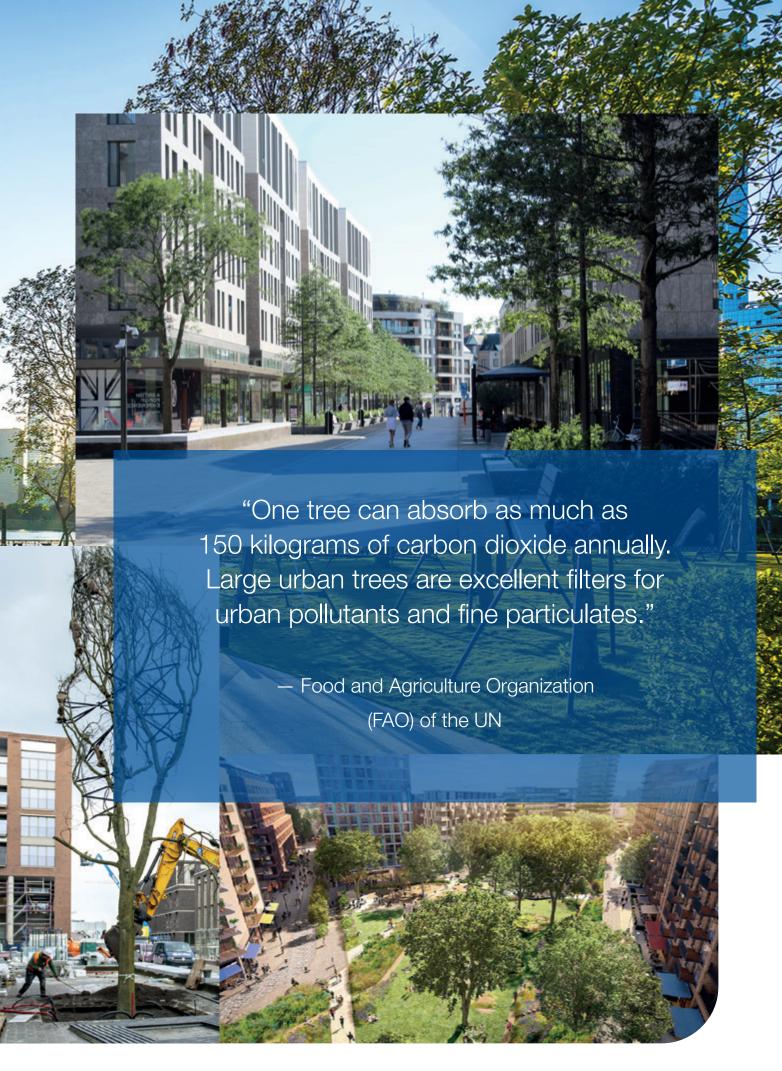


Trees produce oxygen, improve air quality and contribute to a lovable, living environment. Trees can also lower summer daytime temperatures and are even considered the 'central air-conditioning system' of a city.

They contribute significantly to the physical and mental well-being of city-dwellers and increase property value.

Cities around the world are intensifying their "greenification" efforts. And although trees do play a key role in urban life, they are vulnerable and a big investment. They are expensive to maintain, to grow and to stay healthy. But the benefits of trees far outweigh the challenges.



## Why tree tanks?

Planting many trees in the traditional way – immediately adjacent to roads, pavements and engineered structures – causes trees to struggle to grow, to die, or to have their roots push through the pavement and ruin sidewalks and roads.







#### **Roots**

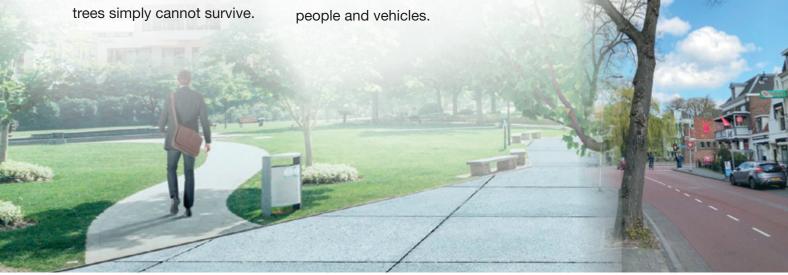
are the vital lifeline for any tree, sucking up moisture and nutrients from the soil. When there is no aeration, moisture or nutrients in the soil for the roots to thrive – due to the proximity of hard surfaces like roads and pavements – then trees simply cannot survive.

### Unprotected roots can cause unsafe conditions

when they penetrate pavements and roads, and when windthrow (the uprooting of a whole tree at the interface of the trunk and the soil) occurs, this can cause harm to people and vehicles.

### Solving root penetration is costly

Roadwork, pavement repair, old clay and concrete pipeline damaged by roots colliding with pipes... this costs money.

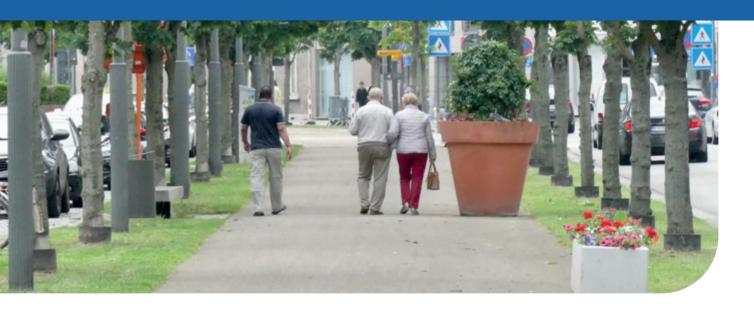


To overcome these problems, most cities build tree tanks or tree pits – constructions around the tree roots with uncompacted soil, allowing water and nutrients to flow to the tree roots. Uncompacted soil is essential for trees. However, the outside of the tree tank construction requires compacted soil – so as to avoid uneven road surfaces (like potholes) and to transfer the loads from (heavy) traffic. The only way to combine well-compacted soil with uncompacted soil is to use a tree tank.

Soil around the trees need to be well-drained. It's good to know that tree tanks can be combined with irrigation and drainage.

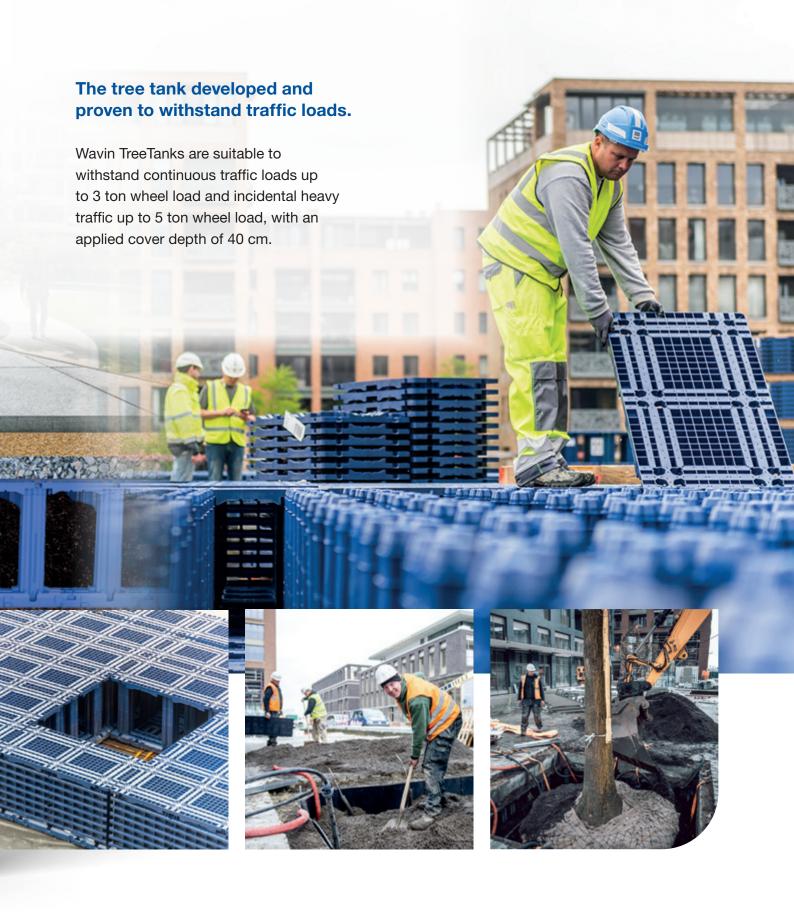
A tree tank provides room for unhindered root growth and keeps roots in their intended rooting zones. Tree tanks are the perfect solution in places where roads and pavements will be combined with trees.

- Saplings develop more quickly into mature trees when planted in a tree tank, because the tree tank provides the ideal environment for roots to grow quickly.
- Tree tanks stimulate the growth of anchor roots since these roots develop in well-drained and uncompacted soil.
   Anchor roots mitigate the risk of windthrow
- Tree tanks eliminate the risk of roots penetrating roads, pavements and pipelines. Tree pits have uncompacted soil, an air gap of 5-10 cm at the top of the box, and are wrapped in geotextile. First, geotextile keeps roots from entering the area outside the tree tank. Secondly, the permeable geotextile allows water to flow through but the nutrient rich soil to stay inside the tank.



# Why the Wavin TreeTank®?





# Your advantages! Wavin TreeTank®

Wavin TreeTanks can be installed up to 6 times faster than any other type of tree root box.

the box, versus loosely compacted soil in the tree root box.



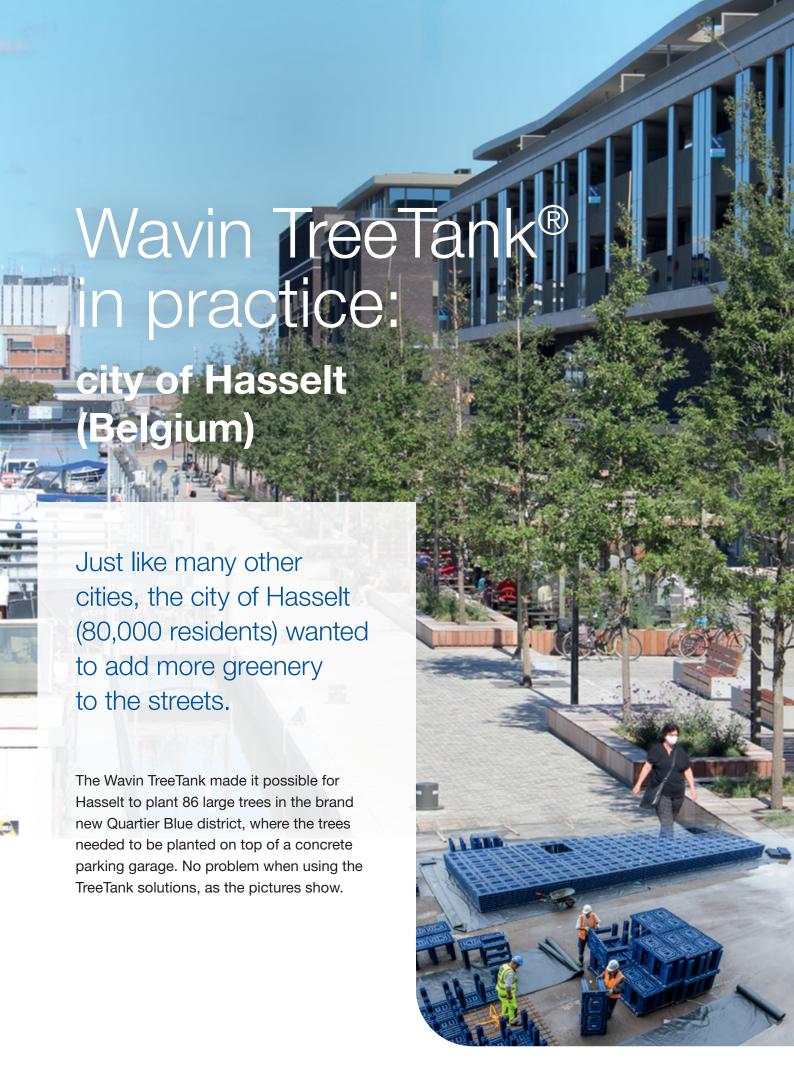
### Wavin TreeTanks are modular.

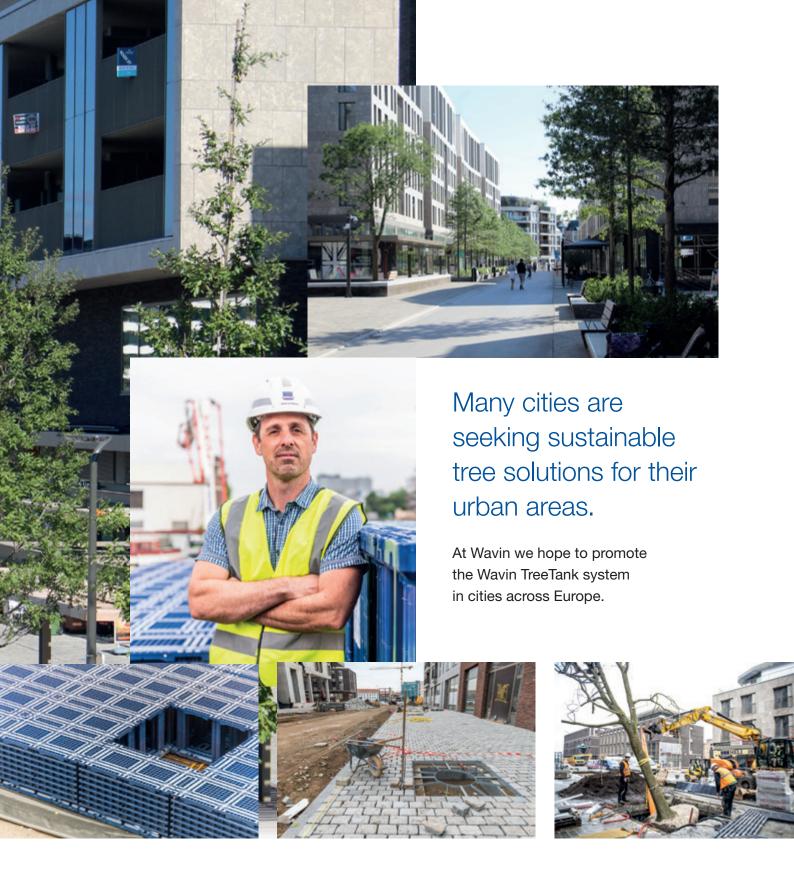
Different types of trees need different sizes/ shapes of tree root boxes. Due to their size and modular connection, these tree tanks can easily be customized into whatever volume and shape is needed.

### Wavin TreeTanks are flexible.

Obstructions in the soil – like pipework – require a flexible system. Existing and new pipes can be easily integrated into the Wavin TreeTank.







"Installation of the Wavin TreeTank units turned out to be 6 times faster than the alternative. To date, a total of 2,500 cubic meters of Wavin TreeTank units have been supplied to the Hasselt project."





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To Advance Life Around the World.



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