

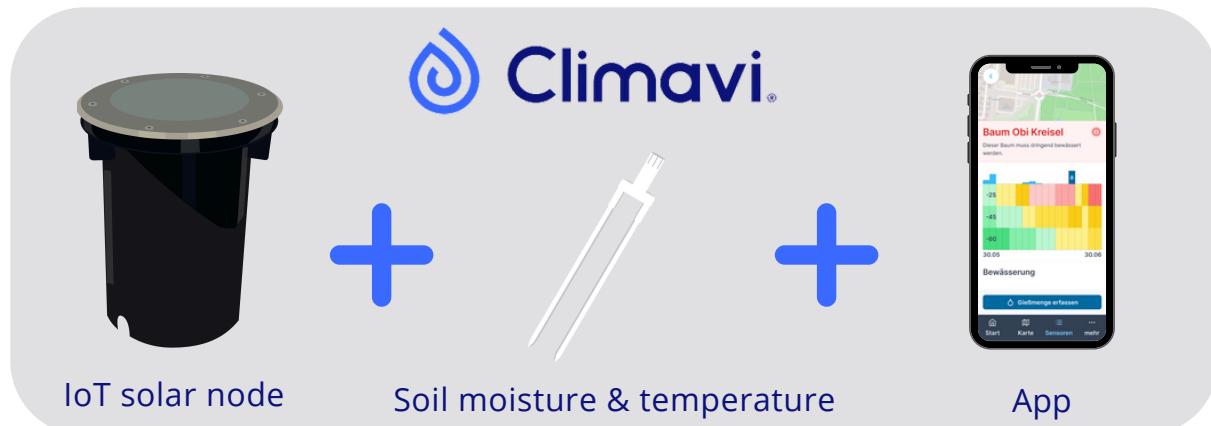


Climate-intelligent solution for sustainable urban tree management

Due to inappropriate irrigation and local climate risks, urban trees, green spaces and parks can be severely damaged or even die, resulting in enormous costs.

With the CLIMAVI measuring system, it is possible for the first time to provide the right amount of water at the right time and to collect unique microclimate data in cities. This saves not only water but also labour, planting and maintenance costs, so that the investment in the CLIMAVI measuring system usually pays for itself in just one season.

Agvolution is the solution for intelligent adaptation to climate risks!

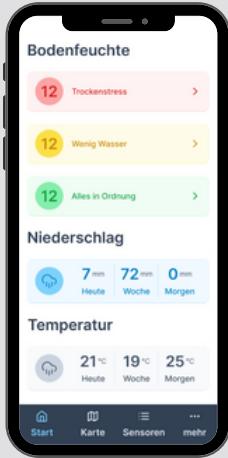


- Vandal-proof housing, IP67
- Vehicle passable up to 3.5 tonnes
- Solar power supply, no batteries changed
- SDI12- databus

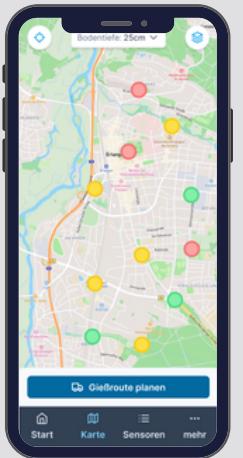
- Data transmission via mobile radio or self-operated LPWANs (LoRa, MIOTY)
- Soil moisture and temperature at 3 measuring depths

- Android and iOS
- Manage and change sensor locations
- Forecasting and route planning optional

Summary



Overview



Pricing

1265.00 €

- Climavi sensor system per location.
- Data visualisation from 20 sensors included.
- Optional: forecast and irrigation route planning for **50.00 €** per sensor and year.



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Application

This year, more than 1000 sensor units have already been installed in Germany, Austria, Switzerland and Italy, which are already sustainably preventing drought stress in urban trees and parks. The sensor technology is being used successfully within the framework of various projects funded by federal and private means. Cities are now in a position to prevent tree & plant death and to use the available water more efficiently and cost-effectively, especially in the summer months.

Agvolution is the climate solution in urban living spaces!

Installation and Examples

The installation can be carried out without great prior knowledge.



Agvolution: Known from independent media



[Sat 1 Video](#)
[Smart City Erlangen](#)



[Digitale Zwillinge](#)
[Süddeutsche Zeitung](#)

DIE ZEIT

Forbes

"Thanks to Agvolution's irrigation route planning, we have a chance to completely prevent tree mortality in Erlangen for the first time. We are already much more efficient in the current season and save ourselves many empty trips."

Hans-Josef Werner, irrigation route driver Erlangen



Thomas Maier, Head of smart city projects, shows the CLIMAVI measuring system to Ms Judith Gerlach, Minister of State for Digital Affairs in Bavaria, and Mr Jörg Volleth, Deputy Mayor of Erlangen.



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