SmartForest

High Precision

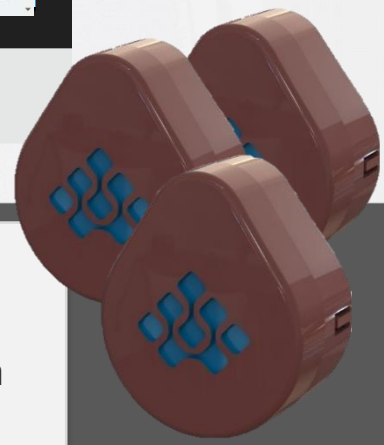
Connected Forests

By **Treevia**

TREEVIA
Forest Technologies

SmartForest
High Precision

Unique IoT Sensors integrated with a Web Platform, assisting research and development with precision data in the top players in the country.



- Sub-millimeter data precision
- Microclimate information
- Integrated Database System
- Programmable data collection settings

High precision data for your forest research project

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High Precision Components

*"The State-of-the-art in **high precision** forest asset monitoring ."*

SmartForest HP
Dendrometers

Premium
High Performance
High Precision

SmartForest HP
Datalogger

Microclimate
Microclimate data acquisition

SmartForest HP
Dashboard

Management Information
Overview your asset, generate reports and download your data

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Dendrometer installation

High Precision **Dendrometer**

The dendrometer is the sensor responsible for detecting and collecting the incremental changes in tree diameter over time. Autonomous and reliable, operates over Wi-Fi.

Feature	Description
Minimum Diameter	30mm
Maximum Diameter	800mm (Negotiable)
Resolution	0.3mm
Battery Duration	5 years
Communication Range	Up to 80m*

*May vary depending on line of sight, obstacles and signal attenuation.

Datalogger

High Precision Datalogger

The datalogger is responsible for communicating with, managing and storing information obtained from several dendrometers. It also sends that information over long distances, when equipped for this task.

Feature	Description
Relative Humidity (readings)	0 to 100% ± 3%
Temperature (readings)	-40 to 125° C ± 0.3 °C
Device Role	Internal data storage and transmission
Communication Range	Up to 80m (Detection)*

*May vary depending on line of sight, obstacles and signal attenuation.

Easy Installation

Install. Sync. Monitor

Installing and Syncing the sensors with a mobile device

All sensors are installed and synchronized at once in the field. This application allows visualizing all sensors installed in the plot, and enables downloading their historical data. The app also allows for remote data acquisition when used along with the Mobile Data Collector.

Web Platform

Always-online data access

Cloud Software

Online data acquisition, storage, analysis and processing. Many customization options available according to your needs. Further customization on request as well.

Geospatial Data

Visualize all your data, current or historical. From plots, crops to genetic material and much more.

Data Export

Compatible with several report formats. Download your data down to the measurement level, you can also generate spreadsheet files.

Information Security

We are committed to protect your information and your data. This is one of the pillars of our operation.

We are a certified partner of Microsoft Partner Network.

We follow strict guidelines and norms, and employ advanced tools to ensure your secure access to the SmartForest platform and solutions.

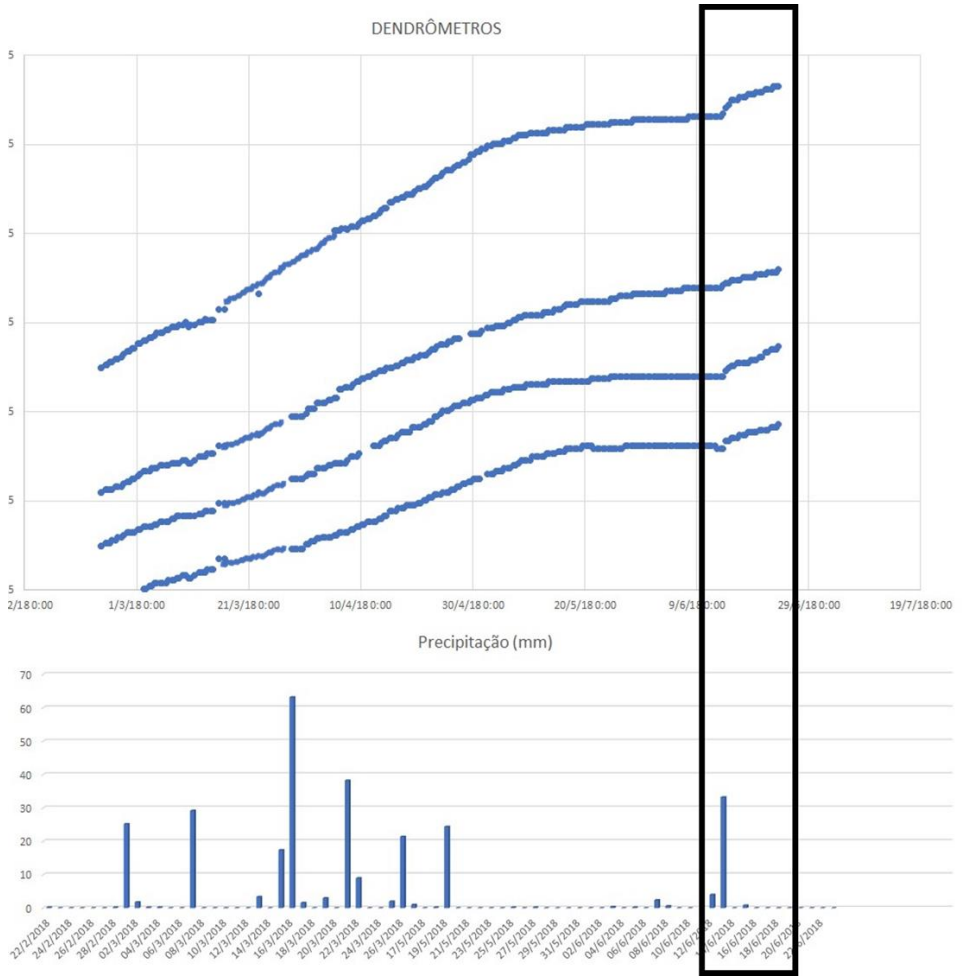
Microsoft Partner

Microsoft

Azure

SmartForest
High Precision

4 months
Forest Data



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Request a quote

Thank you!

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