

Sensor Forest – Smart Environmental Monitoring Platform

DARLO SOFT SRL | Romania

Combining nature and technology to monitor and improve urban sustainability

Overview

Sensor Forest is an AI- and IoT-driven platform that enables real-time monitoring of environmental indicators such as air quality, soil health, and CO₂ absorption. Designed for smart cities, schools, and communities, it promotes sustainability awareness while providing actionable data for green policy and education.

Technology Focus

- Internet of Things (IoT) sensor networks
- Artificial Intelligence for data analytics and prediction
- Integration of photonic and quantum sensors for advanced precision
- Cloud-based dashboards and visual analytics

Objectives

- Improve data accuracy for climate and environmental monitoring
- Support local and educational sustainability initiatives
- Build partnerships for pilot deployments across European cities

Collaboration Needs

DARLO SOFT seeks R&D; and technology partners in photonics, quantum sensing, and environmental data management to co-develop pilot applications and participate in EU innovation programs such as Horizon Europe and PhotonQBoost.

Contact

Ioana Zeni Toma – Founder & Administrator

■ toma.ioana.zeni@gmail.com

■ +40 770 515 733

Supported by the PhotonQBoost Program | Funded by the European Union