



84,000 Trees. One City-Scale Reference.

Rome manages one of Europe's most complex public street-tree networks, spanning historic districts, major corridors, and suburban neighborhoods. At this scale, the core operational requirement is consistency: records that remain comparable across districts and usable across repeated cycles.

To create one verified, city-scale reference for its street trees, Rome initiated a structured capture using greehill Trees. The objective was to establish a per-tree record supporting inspection planning, prioritisation, documentation, and recurring updates within one system.

Street-level scanning was carried out by R3GIS (Italy) in coordination with greehill. In this phase, 84,000 public street trees are

captured across selected districts and processed into digital twins within greehill Trees. Each record connects imagery, precise location, structural attributes, and condition indicators in a format designed for operational use.

Rome now works with verified individual tree records accessible to city teams when planning inspections, setting maintenance priorities, documenting completed work, and preparing reporting outputs. As the record is structured for repeated capture cycles, it can be updated and extended as conditions change — creating continuity across maintenance phases and comparability across districts.

Scope

City:	Rome, Italy
Trees captured:	84,000 public street trees
Coverage:	Selected districts across central and suburban street networks
Delivery model:	Partner-supported implementation (R3GIS, Italy)
System:	greehill Trees