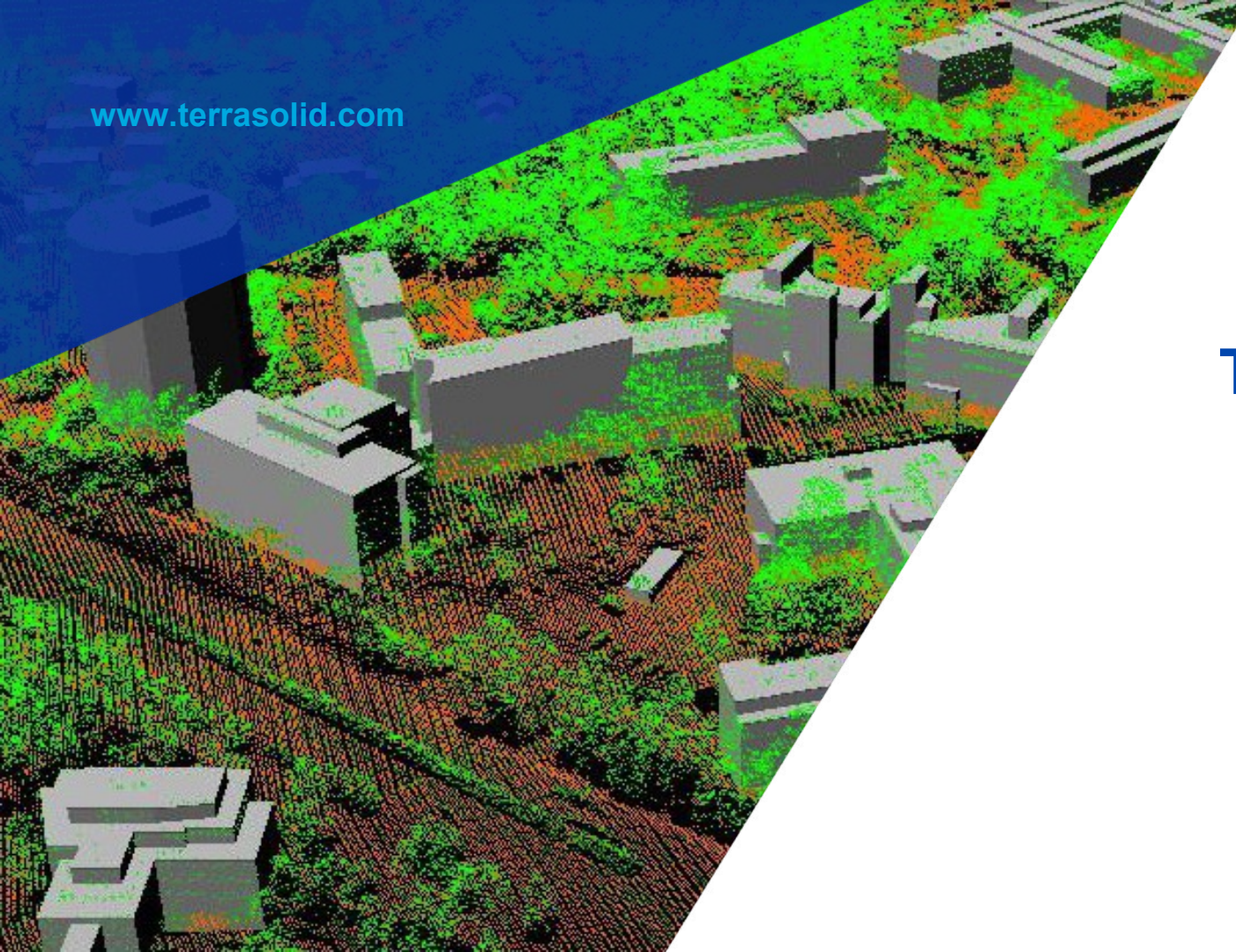


www.terrasolid.com



Tree Database

Arttu Soininen 19.01.2017



Tree Database for Cities

- Towns plant trees and take care of trees in parks, outside city buildings and along streets
- Most towns have some type of information about their trees
 - Small number of towns have a well organized database
 - Many towns have inhouse developed databases, Excel sheets or paper files
- Populating the database is a major task
 - Example: Helsinki started an electronic database in 1998, they have managed to store 50 000 out of 200 000 trees
- TerraScan now offers effective tools for tree database population

Tree Database Software



- Finnish company Geometrix has developed tree database software which Helsinki is using
- Tree database can be accessed using:
 - MicroStation based software
 - Browser based software
 - Application for a mobile device running Android
- Database stores:
 - Tree location, height, width, trunk width, species, planting year, street/park name...
 - Conditions: excavations, soil type, protecting fence, damages ...
 - Health: diseases, pests, fungus, ...
 - Actions done: inspection, pruning, fertilizing, removal, replacement, ...
- Terrasolid may start to sell the software

Tree Database Software – MicroStation



City Tree Register


Main Dialog Map feature Reports Map Field working GPS Help Applications Feature Pgt-Scale Window

Trees Bushes Alleys Parks City features

Search with map range
 None View Fence Select

Basic information

ID	K-57345
Street	
Park	
Main type	Street
Subtype	Leaf tree
Common name	LIME
Genus	Tilia
Species	sp.
Subspecies	
Size class	50 - 70 cm
Circumference (cm)	
Diameter (cm)	60.00
Circumference at planting (cm)	
Length (cm)	
Age	
Planting year	
Age class	
Data source	TerraScan



Status
Habitat
Environment
Additional information
Platform
Equipment
Foot

Feature scaling x 4


1 / 21 ID: K-57345

Contrast/Brightness > Set contrast and brightness values

The file is in read-only mode - [11]

Test 1

View 1, Default - Zoom Scale = 1:744



1

Tree Database Software – Browser



Mobilenote City Tree Register

Search by Address
EPSG: 3067
P: 6677616, L: 381600

Feature Info Attachments (0)

ID: K-49256
Main type: Street
Street: PITAJÄNMAENTIE
Park:
Common name: COMMON OAK - Quercus robur 'Albomarginata'
Action required:
Circumference (cm):
Diameter (cm): 26
Inventory date: 4.10.2016
Auditor: puuV8i
Comments:
Condition: Valitse ...
Equipment:

Tree (+4)

Kohteet 1-25 / 44 << 1 2 >> Suodata:

ID	Main type	Common name	Action required	Circumference (cm)	Diameter (cm)	Inventory date	Auditor	Comments	Condition	Equipment
49248	Street	'Albomarginata'	Ei		14	4.10.2016	puuV8i			Ei
49249	Street	COMMON OAK - Quercus robur 'Albomarginata'	Ei		22	4.10.2016	puuV8i			Ei
49250	Street	COMMON OAK - Quercus robur 'Albomarginata'	Ei		27	4.10.2016	puuV8i		Huono	Ei
49251	Street	COMMON OAK - Quercus robur 'Albomarginata'	Kyllä		27	4.10.2016	puuV8i			
49252	Street	COMMON OAK - Quercus robur 'Albomarginata'	Ei		30	4.10.2016	puuV8i			Ei
49253	Street	COMMON OAK - Quercus robur 'Albomarginata'	Ei		20	4.10.2016	puuV8i			Ei

Modify geometry Remove geometry
Save Delete
List actions

2.94.4

Tree Database Software – Mobile Device

