Sitalia's **asset management** offering

A new portable asset management and cataloguing system for road infrastructure has been launched by Italian company Sitalia working with French company Algorithmic and collaborating with Italian universities, such as Pisa

The software, called PKmaps, is a modular system to be used on tablet PCs which have an integrated GPS and 3G communication, allowing constant geolocalisation of spatial information.
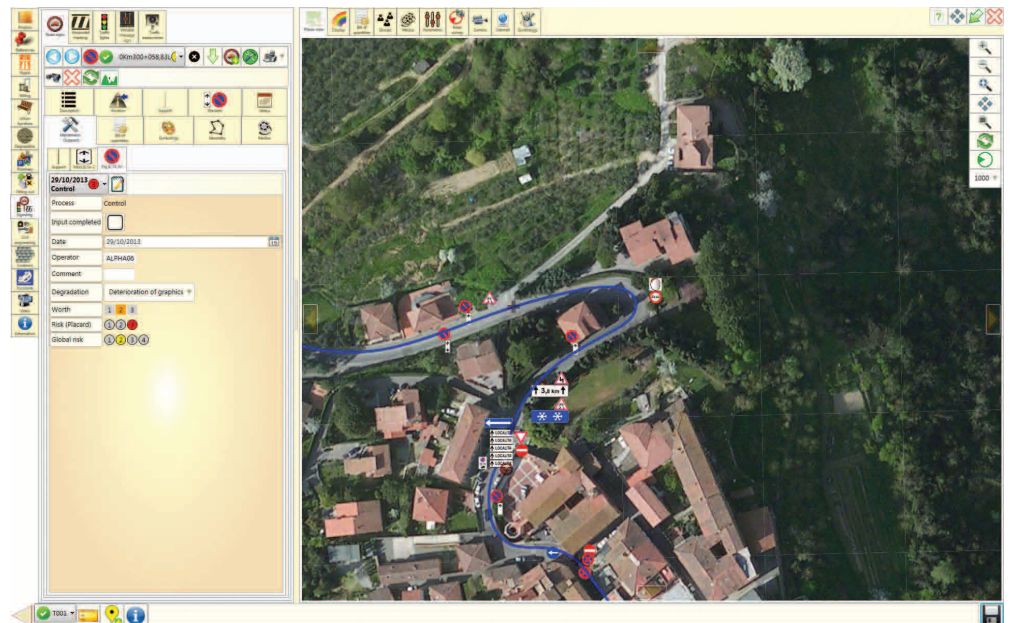
The base module of the package is used to build a DTM representation against which other information can be referenced. It can draw in information if multiple formats such as dwg, orthophotos, shp, kml, laser scanner data or traditional topography and has an interface designed to detect objects and manage their display in an optimal way says the company.

"It really allows you to build up the base system with any kind of input" said marketing manager Dimitri Macorig. In particular, data from modern mobile survey vehicles using laser GPS and photography, is catered for.

Online mapping can be overlaid and the module will establish a linear reference system for road elements linked by distance from a reference milestone. It will associate items with house numbers if they are in urban areas. Finally, the base will prepare summary tables with priority interventions.

With the base established there is then a range of modules for different functions using objects provided by road cadastres such as a geo-referenced document management system, for road sign management, and for road surface condition tracking.
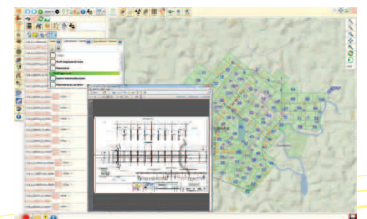
"It allows you to visually find

The Sitalia asset management software is now being made available in a range of territories

the type of degradation and to subsequently evaluate the intervention priorities. The priority can be calculated using various methods such as PCI, the American Regulation D6433-11," said Macorig.

Other modules cover urban furniture and accident management and there is one specifically for billboard management and for assessing surfaces which in some countries are taxable, such as private driveways.

Macorig says the software is in its second year and has been trialled with the Pisa province and in Romania. It is aimed at the African market primarily

for the moment he says, for users such as municipalities and private companies. Sitalia can provide the software and will also supply the required rugged tablet hardware as part of a package. ∎

Sitalia
www.sitalia.it