

To meet the needs related to the use of increasingly widespread **geographic information systems (GIS)**, the TOPKAPI SCADA software provides in all its versions the support of **WMS functions (Web Map Services)**, complying the standard published by the OGC, Open Geospatial Consortium.

## REQUIREMENT

In all applications involving remote devices geographically dispersed, technical information acquired through SCADA systems are correlated to **maps information**. Maps information change permanently and, rather than updating repeatedly the SCADA system (TOPKAPI supports import of DXF and MID / MIF file type), it is appealing to obtain them directly in **real time** by a request to a referent geographic information system (GIS).

## SOLUTION

With its new WMS functions, TOPKAPI displays onto a graphical view both the animated items featuring the data acquired and a **map or a network view obtained from a GIS**.

This applies to all applications monitoring **distribution networks** (electricity, gas, water, sanitation, telecommunications and so on.), but also - in conjunction with the automatic acquisition of GPS position - to the management of mobile fleet and operators on duty (for example DATI, alarm devices for isolated workers).

**The WMS standard can be used with most major GIS products such as Arc GIS, Autodesk, Map Info, Star Apic, etc.**

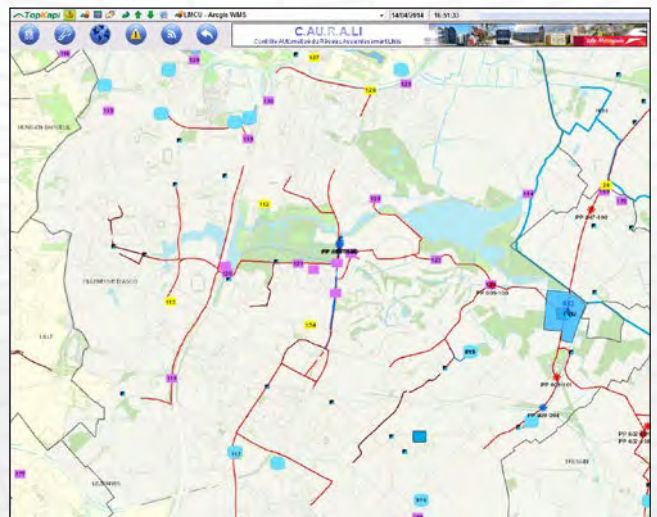
TOPKAPI can **select in a WMS server the layers to be displayed**, and **superimposes on the image provided its own objects** with conventional control / command features.

When creating applications, TOPKAPI allows **automatic generation of the related devices** and their associated variables processing thanks to its SOFTLINK wizard and / or by importing the parameters of blocks provided by DXF files.

Please contact us for an online demo.

## KEY BENEFITS

- Maps always up to date
- Selection of data displayed by layers
- Zoom In/Out
- Details displayed according to zoom level (DECLUTTERING)



Concrete example with Lille Métropole's application:

[www.topkapi-scada.com/en/SCADA/SIG-ArcGIS-LMCU](http://www.topkapi-scada.com/en/SCADA/SIG-ArcGIS-LMCU)