Street Works

Innovation
Coordination
Governance
Bad Maintenance of Streets

A badly executed Public Work (street/asphalt) costs more than € 120 per m².
Traffic Jams caused by uncoordinated public works and temporary occupations
Too much paper and bureaucracy
Many offices to visit
Spend better and recover funds to improve the city.

An Italian City Council of 400,000 inhabitants could spend more then 6 millions euro per year of refunding.
Real Time Information of Public Works in progress

Avoid public works and temporary occupation overlapping and interference

Communicate alternative routes to cars
Uses all map data of the City Council with no replication (Esri, MapInfo, Integraph, Autodesk etc.)

Modular approach: it is possible to start with some functions and borough of the City (pilot)

It is integrated with other software
Synchronised Map and Authorisations, no need of manual map updating

User friendly interface, every actor inserts his own data directly in the shared platform

Documentation (i.e. digging authorisations) available to all authenticated users
What the City Council does

Validation and coordination of all inserted requests to avoid interferences and overlaps

Target

Have a better city management and quality of life
User requirements to present request

- Internet connection
- Digital Signature
- Target
- Paperless complete procedure
### Expected results

<table>
<thead>
<tr>
<th>Description</th>
<th>Income/Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased number of authorizations</td>
<td>From +15% to +26%</td>
</tr>
<tr>
<td>Occupation taxes</td>
<td>From +18% to +42%</td>
</tr>
<tr>
<td>Paper warehouse</td>
<td>From -93% to -100%</td>
</tr>
<tr>
<td>Potholes</td>
<td>From -30% to -57%</td>
</tr>
<tr>
<td>Useless street resurfacings</td>
<td>From -22% to -35%</td>
</tr>
</tbody>
</table>
## Expected Results

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<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fines for irregular application of authorization</td>
<td>+ 200%</td>
</tr>
<tr>
<td>Time dedicated to front office activities</td>
<td>-93%</td>
</tr>
<tr>
<td>Time dedicated to assistance</td>
<td>-88%</td>
</tr>
<tr>
<td>Data entry activity</td>
<td>-96%</td>
</tr>
<tr>
<td>Quality of territorial control</td>
<td>+ 400%</td>
</tr>
</tbody>
</table>
With this new organization model it is possible to:

- Increase local taxes
- Have a city planning
- Decrease time to obtain a permit
- Have a better service
- Better political image
And also...

- Longer streets life
- Better quality of public works, scaffoldings etc.
- Reduce mobility impact and traffic jams
- Communicate to citizens daily City Council activity (in Italian City Council transparency)
- Real Time communication in all City Council departments and external actors (multiutility)
- Communicate to law enforcements and services (ambulances, fire brigades, civil defence etc.)
Italian City Councils

- Brescia
- Milano
- Firenze
- Prato
- Livorno
- Massa
- Rosignano Marittimo
- Vicenza
- Pordenone
- Rho
- San Benedetto del Tronto
- Castelfranco Veneto
Street Works

www.webgislab.org