S M A R T

Geolander.it

we connect
dots to create
solutions

1 - Why do we do it?

The courier has a package to deliver, but the street number indicated in the delivery address turns out to be wrong.

People's lives are often bound up with moments in time. How often does an ambulance get delayed because the street number indicated was different to the one on the door?

Civil protection alert, risk of flooding, shops and homes under water because drains and gullies are blocked.

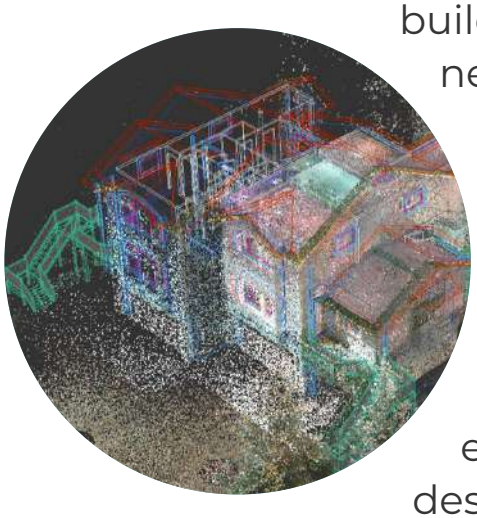
The cost of “public lighting” on local authority balance sheets is always on the rise, but with efficient and smart management of street lights, things could improve both for the authority and for the environment.

The trees lining main roads, the green areas of parks and gardens, all need care and attention: being able to quantify these assets and knowing their exact location is a big step toward ensuring their continued splendour and safety.

Public offices are slow. Sorting through bundles of papers and files is often an act of heroism for employees — who could indeed become superheroes if only they had exact data and information on the identity, location and extent of real estate assets, optimizing all departments: engineering, registry office, administration, accounts.

Certain barriers are indispensable: they save lives. Knowing the length and composition of these structures and exactly where they are located along every road, it becomes easier to check on their state of repair and efficiency, so as to guarantee the safety of people.

Cemeteries are becoming more and more like towns, not least in terms of management. How many problems can be caused by lack of organization? Even finding the grave of a loved one is often quite difficult. And they are also places well worth visiting, to see the monumental tombs and learn about their history.



In the very near future, we will be living in smart buildings and smart cities. Big data provides the new pillars of buildings. A tool known as BIM (Building Information Modelling) allows all levels of information about a building to be placed on a single network, and the relative physical, graphic and technical data to be exchanged between different software platforms and applications throughout the entire life cycle of the building: conception, design, management, maintenance and demolition.

Sea, lakes, harbours, quays, regulatory plans. If public lakeside and coastal lands are to be managed and utilized efficiently, they must be properly safeguarded, enhanced and promoted.

Hydrogeological instability, bridges, over-passes: prevention, safety and order can be delivered using digital geomapping and monitoring as a master plan to gather knowledge of the area and enable early, scientifically grounded action with a view to ensuring safety.

If Pompei had not been preserved under 4 metres of ash in 79 BC, we should never have known about what we see there now. The Colosseum in Rome, the Cathedrals of Florence and Noto, the list is endless. Their very existence is constantly under threat, from pollution, from natural disasters, from visitors... We have a moral obligation to maintain their original beauty intact and ensure it is passed on to those who come after.

2 - How do we do it?

They may sound like jargon from a futuristic scenario, but terms and acronyms like Lidar, HBIM, RGB, Laser Scanner, IMU, GNSS, GPS, Dot Cloud, Data Cloud and Digital Twin are part of our normal vocabulary and reflect our concrete actions.

We conduct geographic digital mapping in external and internal environments, by air, on land and water, using road vehicles, drones and motor boats.

We relay every item of data collected to a web space where we process it, or we leave programming to the client, according to needs and preferences.

The method we use is simple and repeatable: we survey, we process, and we deliver meaningful, certified and readable data.

We spread knowledge by way of our blog and our practical guides.

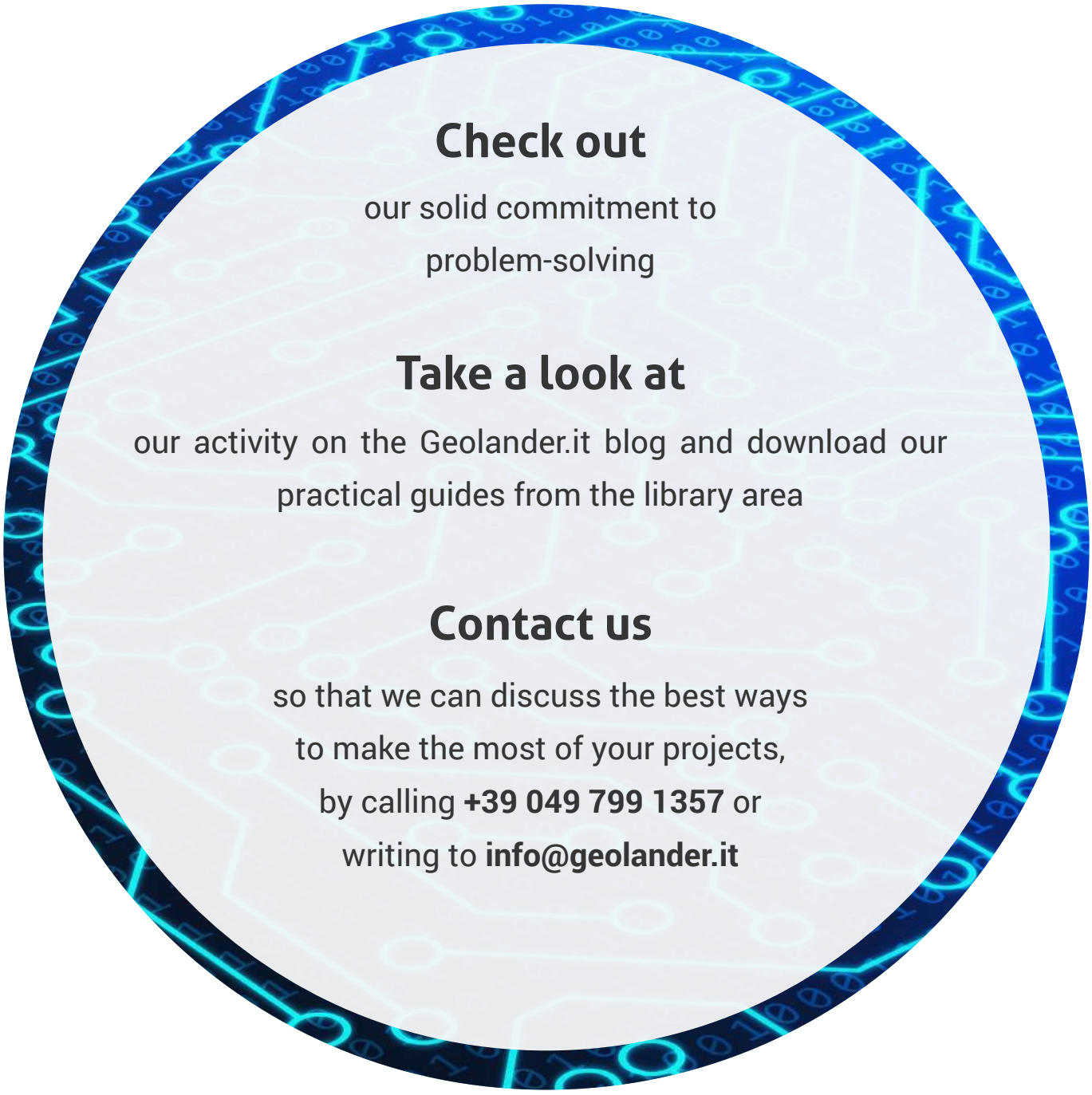
3 - Why choose geolander.it?

Ours is not an engineering or IT company. We are simply human beings who make use of the best technology available for solving practical problems.

We are not a market leader, but market leaders come to us for these reasons:

- **the entire process of surveying, processing and delivery is carried out by us and no one else**
- **we georeference and certify the data collected using IMU** (Inertial Measurement Unit) and **GNSS** (Global navigation satellite system) **instruments**
- **we ensure fast delivery of the data we collect, precluding any possible obsolescence**
- **we communicate and disclose every project according to the stated objectives**

4 - How to contact us?



Check out

our solid commitment to
problem-solving

Take a look at

our activity on the Geolander.it blog and download our practical guides from the library area

Contact us

so that we can discuss the best ways
to make the most of your projects,
by calling **+39 049 799 1357** or
writing to **info@geolander.it**

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WE CONNECT DOTS TO CREATE SOLUTIONS

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