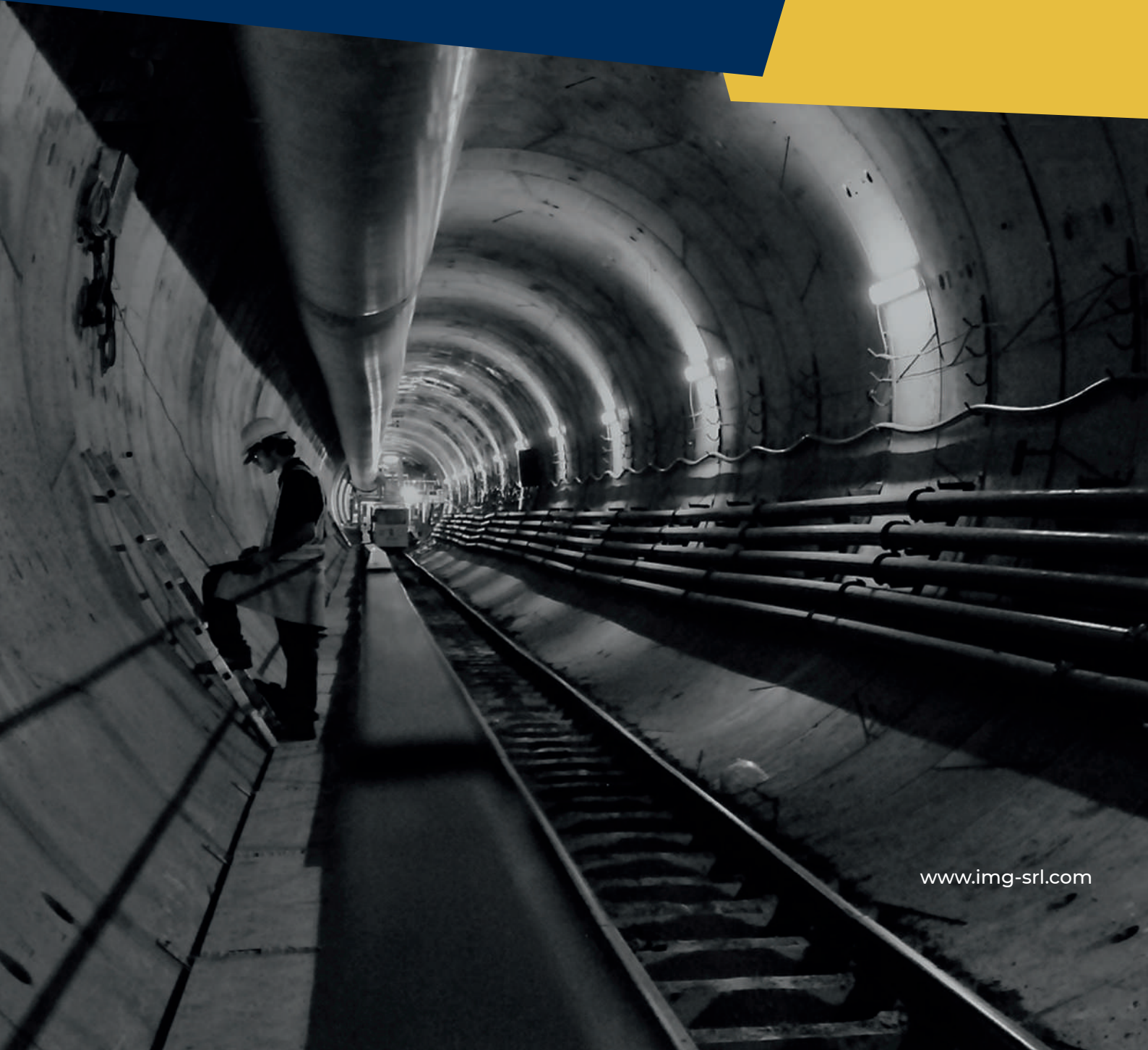




INNOVATION AND RELIABILITY  
FOR **ENGINEERING**  
AND **ENVIRONMENT**



[www.img-srl.com](http://www.img-srl.com)



# COMPANY PROFILE

Img is a specialized service company that supplies and manages complex geotechnical and structural monitoring systems,

providing consultancy in the field of geology, geological engineering, hydrogeology and geophysics.



## EFFECTIVENESS AND INNOVATION

Img was founded in 2004 by Stefano Moretti and Ottavio Tripoli.

Img is a benchmark in geotechnical monitoring for the largest European construction companies. Since 2004 has been involved in infrastructure projects of primary importance at national and international level.

Thanks to a specialized team of senior geologists and engineers,

Img can provide customized monitoring solutions to effectively address customer needs.

The innovation and effectiveness of our solutions about collecting, processing and delivering monitoring data are the basis of our achievements.

Img is a partner and is represented on the board of directors of NHAZCA S.r.l., founded in 2009 as a Spin-off of "La Sapienza" University of Rome. NHAZCA is an international leader in the analysis and monitoring of natural hazards and mitigation of risks, through innovative remote sensing techniques (ground based and satellite interferometry).



# OUR SERVICES AND PRODUCTS



## MONITORING

Geotechnical, structural, topographic and dynamic monitoring systems (both automatic and manual), developed in different areas of intervention.



## GEOPHYSICAL SURVEYS

GPR, seismic, electromagnetic, magnetometric and ERT surveys. Borehole video inspections for cavity research and mapping.



## HYDROGEOLOGY

Characterization and modeling of aquifers, pumping tests, dewatering and groundwater monitoring.



## WEBGIS PLATFORM

Design, development and implementation of a web GIS platform to view, manage and share monitoring data.



## CONDITIONAL SURVEYS

Detailed surveys on buildings with final delivery of plans, notes and images of all the elements that can be influenced by an interfering project.



## DESIGN

Design, installation and management of geotechnical, structural, topographic and dynamic monitoring systems.



## MEASURAND SAA SHAPEARRAY

Img is the Italian authorized distributor of Measurand SAA (ShapeArray) products. Find out more about Shape Arrays at [www.measurand.com](http://www.measurand.com)



MILAN  
METRO LINE 4

GENOA-VENTIMIGLIA  
DOUBLING RAILWAY LINE

ROME  
METRO LINE C

**+700** buildings&historical heritages  
**+50 km** drilling (instrumental in hole)  
**+28.000** monitoring instrumentation  
**+100millions** of geodetical data  
**+200millions** of geotechnical data

ROME  
METRO LINE B1

ALGERIA  
RAILWAY LINE  
RELIZANE-TIARET-  
TISSEMSILT

PALERMO-CATANIA  
A19 HIGHWAY

S.S. 106 JONICA  
MOTORWAY

DJIBOUTI (CAMP LEMONNIER)  
GPR SURVEYS FOR MAPPING  
UNDERGROUND UTILITIES

# MAIN WORKS

## WARSAW UNDERGROUND LINE 2

**660** *monitored buildings*  
**8500 m** *drilling (instrumental in hole)*  
**16.500** *monitoring devices*  
**30 km** *cabling and measurement cables*  
**+100millions** *of data*

## WARSAW S2 EXPRESS ROAD

## ŁÓDŹ FABRYCZNA RAILWAY STATION

## KRAKOW – RABKA ZDROJ HIGHWAY S7

## QATAR SURVEYS&MAPPING for OIL&GAS CONTRACTORS

Img has developed and still manages one of the most sophisticated and extensive monitoring systems worldwide for the construction of the **Line C Underground in Rome**.

Since 2007 Img has installed over 28.000 sensors.

In the last 48 months we have collected and validated around 200.000.000 measurements from many historical monuments and buildings.

Img is now managing also the monitoring system the construction of the new **Warsaw Underground Line II**.



# DDS WEBGIS PLATFORM

How to manage and share a large amount of data efficiently? Web-based monitoring systems.

The DDS (Data Dissemination System) is a Web-Gis platform completely developed by IMG as a synthesis

of the consolidated company experience on monitoring **data control and processing**. Currently is used in monitoring

data management of important **national and international infrastructural works**.



## 2 DISPLAY LEVELS

• DDS DOC  
(Base System)

• DDS DATA  
(Advanced System)

DDS Projects	Year	Instrumentation	Documentation	Storage Gb
Metro C Rome	≈ 12	28.134	87.740	126
Metro Line II Warsaw	≈ 9	8.268	19.567	25
Railway Station Lodz	≈ 4	906	2.845	7
S.S. 106 Jonica	≈ 6	430	9.393	28

## MAIN FEATURES

### MAP

Selectable instrumentation and monitored objects are displayed on a multilevel interactive map. By them users can access relevant data and associated documents.

### CHARTS

Single or multi-instrument charts from datasets obtained by customizable and storable search criteria.

### SEARCH

Quick search of installed instruments and monitored structures by attributes (name, code, instrument type...). Instruments can be also selected by a spatial search on the map.

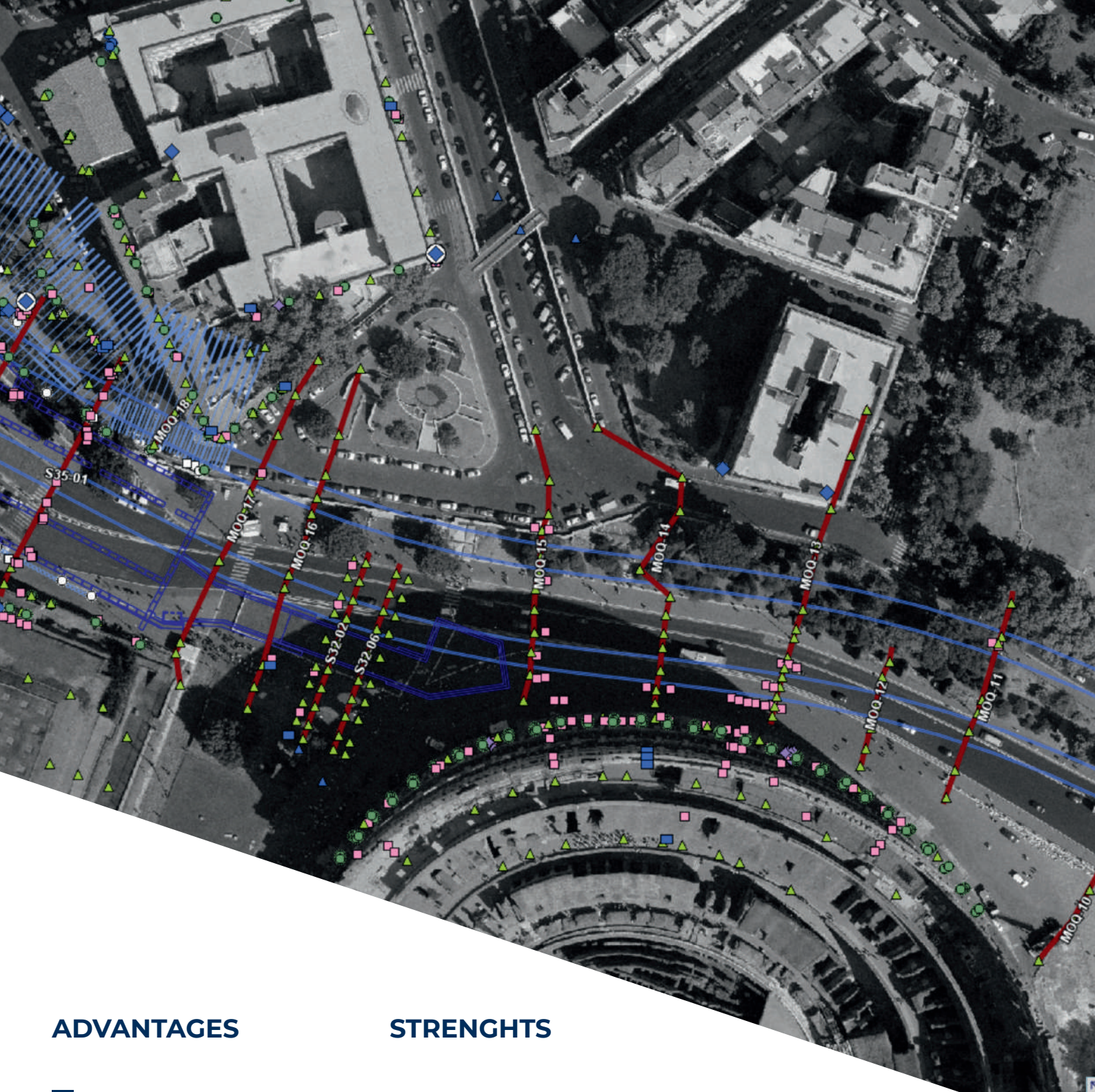
### EVENTS

Instruments alert/alarm status management system to highlight any possible critical situations, sending SMS/email if needed.

### MOREOVER

A wide range of dedicated tools, like contour map, displacement vectors, moving average, and more.





## ADVANTAGES

- easy access to information
- no special training is needed
- no software installation required
- accessible from the most common web browsers
- quick sharing of the monitoring reports
- data, reports, and charts available anytime and anywhere

## STRENGHTS

### About management System:

- User friendly
- Customization
- Scalability
- Stability and security
- Reliability
- Flexibility and extensibility
- Notification (warnings)

### About data

- Collection
- Validation
- Processing
- Visualization
- Downloading
- Storage

## INFO&CONTACTS

### Registered Office

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12040 Piobesi d'Alba (CN)

### Headquarters

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## CERTIFICATIONS



## PARTNERSHIP

Italian authorized distributor

