COMPANY PROFILE
**OUR MISSION**

**Solgeo** was founded in 2001 as a spin-off of the division of applied geophysics of ISMES SpA (Enel Group, the market leader in the Italian and international energy).

**Solgeo** provides services and investigations of Applied Geophysics and designs and manufactures geophysical instrumentation and systems for the dynamic monitoring of soil, structures and buildings.

In addition **Solgeo** is involved in research and development of integrated systems in the oil and gas industry.
<table>
<thead>
<tr>
<th>Year</th>
<th>Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>Solgeo was founded as a spin-off company from Ismes spa</td>
</tr>
<tr>
<td>2003</td>
<td>Beginning of geophysical and dynamic instruments marketing</td>
</tr>
<tr>
<td>2006</td>
<td>Development of new geophysical instruments</td>
</tr>
<tr>
<td>2008</td>
<td>Research and development of oil and gas systems for Eni and Saipem</td>
</tr>
</tbody>
</table>

**SOLGEO REVENUES TREND 2009-2013**

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenues K€</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>500</td>
</tr>
<tr>
<td>2010</td>
<td>1000</td>
</tr>
<tr>
<td>2011</td>
<td>1500</td>
</tr>
<tr>
<td>2012</td>
<td>2000</td>
</tr>
<tr>
<td>2013</td>
<td>2500</td>
</tr>
</tbody>
</table>

**MILESTONES & RESULTS**
Solgeo can rely on a team of technicians (constituted by electronics engineers, geophysicists, computer scientists, and other experts) with more than 25 years’ experience in the planning and execution of a wide range of geophysical surveys and in the development and production of dynamic monitoring systems.
Solgeo deals with research and development of hardware and software systems for dynamic monitoring of soil, structures and buildings.

Another line of research concerns the development of electronic equipment and monitoring systems for the control of oil and gas pipelines.
Measurement system based on acoustic waves capable to detect obstructions and other anomalies in an empty (air filled) pipeline.

**Period**
2008-2013

**Client**
SAIPEM

**Partners**
ARESYS
Politecnico di Milano

**Test and Applications**
Almeria-SAIPEM 7000 (semi-submersible crane and pipelaying DP vessel)
Gulf of Mexico-Castorone (pipelaying vessel)
Multistation vibroacoustic acquisition system and network for detection and localization of third party interference and leaks in fluid transportation pipelines.

**Period**
2010-2014

**Client**
ENI G&P

**Partners**
ARESYS
Politecnico di Milano

**Test and Applications**
- Cap Bon-Mazara del Vallo TRANSMED pipeline
- Spluga pipeline
- Gran San Bernardo oil pipeline
- NAOC-Nigeria oil pipeline
- Val d’Agri oil pipeline
- Gaeta-Pomezia oil pipeline

**RESEARCH**
e-vpms®
eni-vibroacoustic pipeline monitoring system
SOS TEAM is a technological advanced equipment that overcomes current analogical instruments limits.
SOS TEAM equipment records and analyses acoustic waves coming from the ruins and locates people in danger with precision and speed.
Solgeo carries out design and production of instruments for specific geophysical research and dynamic seismic monitoring of soil, structures and buildings.
SENSORS
Seismic sensor: VELOGET 3D
Accelerometric sensor: FORCE BALANCE ACCELEROMETER

SEISMIC RECORDERS
Seismic recorder: MAS 24
Multichannel seismic recorders: DYMAS 24 SYSTEM

SOFTWARE
Vibrations management: VIBROSOFT
Seismic evaluation: NAKASOL
International format: SIDLINK TRANSMISSION DATA

INSTRUMENTS FOR DYNAMIC MONITORING
Sonic & ultrasonic measurements: CMS SYSTEM

Cross-hole, echoometric and vibrational measurements: MCHA SYSTEM

Cross-hole measurement on soil: GEOS

Inclinometric measurements: INCLIS DH
GEOPHYSICAL SURVEYS ON LARGE STRUCTURES
(dams, monuments, buildings, foundations, industrial plants)

GEOPHYSICAL SURVEYS FOR SOIL CHARACTERISATION
(seismic refraction, reflection, tomography, cross-hole, geo-radar)

SOIL AND STRUCTURES MONITORING
(seismic network, vibration measurements, rock noise)

Main clients
EDF
EDISON
ENEL
ENI
CESI
POLITECNICO DI MILANO
SAIPEM
STOGIT
RSE (Ricerca Sistema Elettrico)
TREVI
CNR
OGS
IMPREGILO
ASTALDI
METRO C (Metropolitana di Roma)
KERALA Government

SERVICES
SERVICES
GEOPHYSICAL SURVEYS ON LARGE STRUCTURES

Ambiesta dam
Sonic tomography

Client
CESI
SERVICES
GEOPHYSICAL SURVEYS FOR SOIL CHARACTERISATION

Valencia
Vp/Vs Cross-hole

Client
Buzzi Unicem
offices: 500 m²
electronic laboratories: 200 m²
storehouses and workshops: 300 m²