Next Geosolutions
Turning data into great ideas
We are a geoscience and engineering service provider, we operate in the Energy, Infrastructure and Utilities Markets.

Company Profile

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1. INTRODUCTION TO NEXT GEOSOLUTIONS

Next Geosolutions is an international turn-key geoscience and engineering service provider operating in the energy, infrastructure & utilities markets.

Established in 2006 as Oceanix and recently incorporated into the NG group, Next is already recognised as a leading player as it consolidates knowledge, expertise and resources of companies and individuals with a successful track-record of over 25 years in the industry.

The synergy between such a solid, renown and successful group of parties and professionals originated from a shared vision of an independent, QHSE mindful & technology driven contractor capable of providing integrated services, both on land and at sea, to support the entire lifetime of projects and assets.

Next aims to provide their customers with high quality, cost-efficient solutions by leveraging in-house know-how, assets & resources and by applying a combination of state-of-the-art technology & innovation.

We strongly believe in our people, a multi-national blend of skilled & experienced professionals, who are delivering our vision & our success all over the world.

Next originated by a joint venture between Marnavi Offshore & Tecno In, two leading contractors in their respective markets.

Marnavi Offshore, part of Marnavi group, is the largest and fastest growing Italian ship-owner operating globally in the offshore oil & gas industry with a fleet of 14x “state-of-the-art” DP class 1 and 2 vessels.

Tecno In is an engineering, geophysical, geotechnical and environmental contractor operating internationally both on-shore & near-shore with almost 30 years track-record and a leadership position in the Mediterranean.

In association with a senior management team, composed by a selected pool of international professionals with recognised experience in the industry, Marnavi and Tecno In have jointly acquired ownership of Oceanix Srl, a fast growing & dynamic marine survey contractor with a well-established and successful international track record with primary clients in the energy sector.
2. ORGANISATION

Currently NEXT has a staff of 50+ personnel in continuous growth, plus selected regular contract personnel. Key positions are described in the following company organisation diagram.

The NEXT management team has extensive experience of hydrographic and marine geophysical surveying, navigation & positioning, construction support and survey operations globally.

The following picture shows a general project organisation diagram, which is then specifically detailed and subsequently adopted during the project management process.
3. QUALITY, HEALTH, SAFETY & ENVIRONMENT

NEXT adopts an integrated QHSE management system which embodies all aspects of Quality Assurance, Competence Monitoring and Risk Assessment, as well as comprehensively addressing Health, Safety & Environmental issues.

It is Company policy to ensure that all personnel follow a structured plan of continuous professional development, and hold the necessary knowledge and skills to provide a service of quality, thus ensuring Client’s satisfaction. NEXT is committed to carry out its activities in such a way that the Client always receives products and services of a consistently high quality, aiming to meet and possibly exceed Client’s requirements and expectations. The health and safety of employees and other persons are safeguarded, and proper regard is paid to the conservation of the environment.

NEXT adopts a Quality Assurance System and an Health and Safety Management System in accordance with the most stringent and recognised international safety standards as well as the requirements of the Italian legislation (D.Lgs. 81/08).

Finally NEXT implements an Environmental Management System in line with the Italian legislation and with most recognised international standards.


Copies of QHSE certificates, policies and other deliverable documents are available upon request.
4. QUALIFICATIONS & MEMBERSHIPS

Acknowledging the importance of complying with global standards and adopting best practices, NEXT have joined the most important & recognised international communities and associations in the industry.

Achilles creates and manages a global network of collaborative industry communities, allowing trading partners to share high quality, structured, real-time data.

Achilles provides supplier pre-qualification products, services and online tools helping buyers to manage and mitigate risk, streamline procurement strategy and reduce cost & effort and helping suppliers to increase market reach in their sector.

Achilles offer a fully-managed supplier registration, information and compliance management and pre-qualification service giving single access point for all your supplier information via 40 online communities, covering key industries and sectors in more than 130 countries around the world.

Access to high-quality information on suppliers simplifies the decision-making process, reduces the cost of maintaining supplier data and improves supply chain efficiency. Furthermore, Achilles underpins compliance with legislative and corporate standards, assessing suppliers’ capabilities and financial, legal, health and safety, environmental and quality risks.

Next Geosolutions is a qualified member of 3 (three) Achilles Communities, these being:

Power, technology and automation companies view their supply chains as an integral extension of their organisations, and strive for a transparent and efficient collaboration with best-in-class suppliers from which all stakeholders benefit. The Achilles Power & Tech Community rolled out during 2013, with ABB Group as its first buyer. The ABB Group operates in around 100 countries, and their procurement specialists are purchasing from tens of thousands of suppliers worldwide.

Sellihca is a supplier register and pre-qualification system used by the Nordic utilities to manage supplier information and risk within the supply chain as well as to procure efficiently in accordance with EU regulations. With over 4400 qualified suppliers delivering a wide selection of product and services, Sellihca provides a fair, open and transparent means of selecting suppliers. This facilitates and simplifies the tender process, offering new business opportunities for both buyers and suppliers.
FPAL is an industry initiative created by oil & gas representatives in 1996 in response to standardising supply chain information and achieving costs savings within procurement processes by 30%. FPAL was acquired by Achilles in 2004 and continues to be governed by an industry based Steering Group of oil & gas companies.

Achilles FPAL membership is an integral part of the industry wide initiative known as the Supply Chain Code of Practice (SCCoP) which is endorsed by the UK oil & gas supply chain to measure best practice during buyer procurement processes. Buyers in the Netherlands also adopted a collaborative approach to using Achilles FPAL and formed the Dutch Purchaser User Group (DPUG) which identifies how buyers use Achilles FPAL to improve supply chain operations which are outlined in a Common Policy Statement.

As a further recognition of its status of international turn-key service provider, NEXT has been enrolled as a contractor member of IMCA.

The International Marine Contractors Association (IMCA) is the international trade association representing companies and organisations engaged in delivering offshore, marine and underwater solutions. Its core purpose is improving performance in the marine contracting industry by championing better regulation and enhancing operational integrity.

In common with other trade associations, IMCA provide members with guidance, allowing them to 'self-regulate' rather than look to clients or governments for setting rules and procedures. While governments legislate on a range of issues in the public interest, they cannot produce legislation for every part of an industry's operations - nor may that be desirable. A key benefit of industry guidance is that it can be implemented and updated more quickly than legislation, which is vital in an industry with rapidly advancing technology.

NEXT is also a member of Assomineraria, an association, part of Confidustria system, including Italian and international Companies operating on the National territory in the exploration and production of solid minerals, in the research and development of liquid and gaseous hydrocarbon and geothermal fluids, and in the supply of equipment and specialized services to the domestic and international oil and mining market sectors.
5. SERVICES

The range of NEXT services covers the entire life-cycle of assets and projects, both on land and at sea, from their initial conception at a design stage, throughout their engineering, installation, inspection & maintenance phases up until their decommissioning. A key element of a true turn-key solution lies in the full integration of the services by combining consultancy, engineering and operational capabilities.

A list of key service categories is reported here below:

• **Geophysical, Geotechnical & Environmental Engineering and Consultancy Services**
  Our consultancy services will follow your project over its whole lifecycle, providing data integration and management.

• **Desktop & Feasibility Studies**
  DTS and feasibility studies analyse any human and natural factors that may affect the planned system.

• **3D Modelling, Laser Scanning and Dimensional Control**
  Getting the exact picture of a structure or an industrial plant, with no risks for the workers' health and safety.

• **Airborne Surveys**
  Three-dimensional topographical airborne maps and surveys of surface terrain elements and man-made structures.

• **Remote Sensing & Monitoring Services**
  Data capture from remote and technologies for online secure continuous monitoring.

• **Topography**
  Topographic and survey services by satellite, airborne, on land and marine.

• **Metocean & Environmental Surveys**
  Studies for port and coastal designers and builders, such as scientific and impact evaluation and assessment surveys.

• **Onshore & Offshore Geophysical and Geotechnical Surveys**
  Relevant data can be obtained with accurate geophysical and geotechnical surveys, to support the design and engineering of subsea systems.

• **Visual & Instrumental Surveys by Divers and ROVs**
  Subsea surveys carried out by divers and ROVs for environmental monitoring and industrial inspections.

• **Onshore & Offshore Construction Support Services**
  Supporting services for construction, maintenance and preservation programs.

• **Surface and Subsea Asset Inspection & Integrity Management Services**
  Control of industrial assets functionality and integrity, with no risks for health, safety and the environment.

• **Intervention & Remedial Works**
  Survey and intervention services to ensure the stability of structures or territory.
6. ASSETS & RESOURCES

NEXT own and operate a large pool of in-house resources, ranging from a fleet of 16x offshore vessels to a comprehensive inventory of geophysical, geotechnical, oceanographic and EDM equipment operated by our strongly qualified & experienced staff personnel.

From onshore to offshore surveys, airborne and remote data capture and monitoring, our tools empower our skills to always deliver a high quality service. ROVs, AUVs, ASVs, RPAS and remote sensors are just some of our tools to deliver first-class services.

- **Vessels**
  - All Marnavi Offshore Fleet, composed by 16 vessels ([http://www.marnavi.it/en/fleet/offshore/](http://www.marnavi.it/en/fleet/offshore/)), including:
    - MPSV Ievoli Ivory - DP2, 90m loa, built 2015
    - PSV Ievoli Sapphire - DP2, 79m loa, built 2014
    - AHTS Ievoli Grey - DP2, 72m loa, built 2013
    - AHTS Ievoli Black - DP2, 70m loa, built 2010
    - AHTS Ievoli Blue - DP2, 70m loa, built 2010
  - Nearshore Survey Catamaran
  - Other vessels of opportunity (K. Iona, DP Cirrus, Imor, Imoros, Barney, etc.)

- **Human Resources**
  - Geophysicists / Marine Geophysicists
  - Geologists / Marine Geologists
  - Data Processors / CAD Engineers
  - Civil, Structural & Industrial engineers
  - Environmental Researchers & Engineers
  - Topographers
  - Oceanographers
  - Archaeologists
  - Divers & ROV Pilots/Technicians

- **Equipment**
  - Marine Geophysical Survey Equipment (MBES, SBES, SSS, SBP, SPK, MAG/GRAD, etc.)
  - Marine Geotechnical Equipment (vibrocorers, drop corers, PCPTs, grab samplers, etc.)
  - Hi-Res 2D/3D Digital Seismic Systems
  - Oceanographic & Environmental Survey Equipment
  - Onshore Geophysical Equipment (Seismic DAS, Geo Resistivity Probes, etc.)
  - Onshore Geotechnical Equipment (Drilling Rigs, Penetrometers, etc.)
  - Onshore Survey Equipment (Georadars, Laser scanners, etc.)
  - Topographic Equipment (Total Stations, EDM Equipment, DGPS Systems, Digital Levels, etc.)
  - Geotechnical & Geological Analysis Laboratory

- **ROVs and other remote systems/vehicles** (through consolidated partnerships)
  - Work-Class ROVs (Schilling HD, Schilling UHD Generation III)
  - Light Work Class ROVs (Seaeye Panther XT Plus, Seaeye Cougar XT, Sub Atlantic Tomahawk)
  - Observation Class ROVs (Seaeye Tiger, Surveyor Plus & Falcon, Ageotec Perseo & Cygnus)
  - AUVs and ASVs (surface and underwater autonomous vehicles)
  - UAV/UAS/RPAS (professional aerial drones)
7. TRACK RECORD

NEXT GEOSOLUTIONS retains a large and long-standing experience in providing turn-key solutions, starting from support and consultancy at a feasibility stage (DTS, EIA, etc.) throughout the entire life cycle of the assets, at design, routing, installation, inspection & maintenance phases.

NEXT have successfully provided survey & positioning as well as engineering & intervention services to a number of operators and contractors in various nearshore and offshore market sectors, including SAIPEM, PRYSMIAN, TMPC, STATNETT, NORDSTREAM 2, TERNA, NEXANS, MICOPERI, NUTAM, WASS, PORT AUTHORITIES, CNR, INGV, ISPRA, etc..

Here below it is reported a list of main & most recent projects undertaken by NEXT.

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**SKAGERRAK & NORNED Project** | Submarine Power Cable Inspection on the Skagerrak and NorNed Interconnectors, North Sea & Skagerrak Channel (NO, DK, NL) | Client: STATNETT (Norway) | End Client: n/a | SOW: Submarine Cable Inspection, incl. GVI, instrumental & CP survey | Max w.d. 520m | IN PROGRESS
**NORD STREAM 2 Project** | Marine UXO survey for design and installation of a submarine gas pipeline between Germany and Russia, Baltic Sea | Client: NORD STREAM 2 (Switzerland) | End Client: n/a | SOW: UXO survey & target inspection | Max w.d. approx. 200m | **IN PROGRESS**
NIGG BAY DEVELOPMENT Project | UXO Survey for harbour extension works at Nigg Bay, Aberdeen, UK | Client: PLANIT UXB Ltd | End Client: DRAGADOS / ABERDEEN HARBOUR | SOW: UXO Survey, Bathymetric Survey, Video Survey | Max w.d. 30m |
NSL (North Sea Link) Project | HVDC Cable System between Norway and UK | Client: PRYSMIAN | End Client: NSL (JV between STATNETT and NATIONAL GRID) | SOW: Detailed Marine Survey for Submarine Cable Route Design & Engineering, including ROV/ROTV-based Marine Geophysical Survey, Marine Geotechnical Survey (BAS), UXO Survey, Utility Crossing Survey and Route Clearance | Max w.d. 100m | IN PROGRESS
MON.ITA Project | Montenegro to Italy HVDC Interconnection | Client: PRYSMIAN | SOW: Detailed Marine Survey for Submarine Cable Route Design & Engineering, including Offshore ROV-based Geophysical Cable Route Survey, Marine Geotechnical Survey (BAS) and UXO Survey | Max w.d. 1200m | IN PROGRESS
CLUSTER WEST OF ADLERGRUND Project | 4x 220kV AC Connections between OWPs and Germany Mainland, Baltic Sea | Client: PRYSMIAN | SOW: Detailed Marine Survey for Submarine Cable Design & Engineering, including Topographic Survey, Marine Geophysical Cable Route Survey, Marine Geotechnical Survey (BAS) and UXO Survey | Nearshore and Offshore |
**TMPC Project** | Inspection of submarine gas pipelines at shore approaches in Sicily and Tunisia | Campaigns 2014-2016 | Client: TMPC (Trans-Mediterranean Pipeline Company) | SOW1: Topographic Survey, Marine Geophysical Survey & Pipeline Inspection by ROV-mounted survey equipment | SOW2: Pipeline free-span remedial works in Tunisia by installation of “Filter Units” |

**MAFUMEIRA SUL Project** | Design & installation of subsea oil & gas field offshore Angola | Client: MICOPERI | SOW: Marine Survey & Positioning Services in support of offshore oil & gas pipeline/PTF design, installation and inspection.
ÇANAKKALE II Project | Submarine power cable system in the Dardanelles Strait, Turkey | Client: PRYSMIAN | SOW: Marine Survey for Submarine Cable Route Design & Engineering, including near-shore & offshore marine geophysical and geotechnical surveys, ROV inspection, topographic survey.

ITALY-SLOVENIA INTERCONNECTOR Project | Italy to Slovenia HVDC Interconnection | Client: TERNA | SOW: Desktop Study, Topographic Survey, Preliminary Marine Geophysical Survey for Submarine Cable Route Design & Engineering.
SA.CO.I. Project | Sardinia, Corsica to Italy HVDC Interconnector | Client: TERNA | SOW: Desktop Study, Topographic Survey, Inspection of existing submarine cables by ROV-mounted survey equipment, Environmental Survey, Preliminary Marine Geophysical Survey for Submarine Cable Route Design & Engineering | Nearshore and Offshore | Max w.d. approx. 500m.
HADERA Project | Oil & gas project offshore Israel | Client: MICOPERI | SOW: Inspection of existing gas pipelines by ROV-mounted survey equipment, Marine Survey & Positioning Services in support of offshore submersible gas terminal installation.
**MON.ITA Project** | Montenegro to Italy HVDC Interconnector | Client: Terna | SOW: Consultancy, Topographic Survey, Environmental Survey, Preliminary Marine Geophysical Survey for Submarine Cable Route Design & Engineering | Nearshore and Offshore | Max w.d. 1200m.

**SA.PE.I. Project** | Sardinia to Italy HVDC Interconnector | Client: CONISMA & ITALIAN MINISTRY OF ENVIRONMENT | SOW: Work Supervision during Offshore Survey, Lay, Installation and Protection Works for submarine HVDC cables on behalf of Italian Ministry of Environment | Max w.d. 1600m.