

# Corporate Impact Report



2024























Planetek Italia srl Benefit Company Corporate Impact Report 2024 Report drawn up in accordance with Italian Art.1 c.382 L.208/2015



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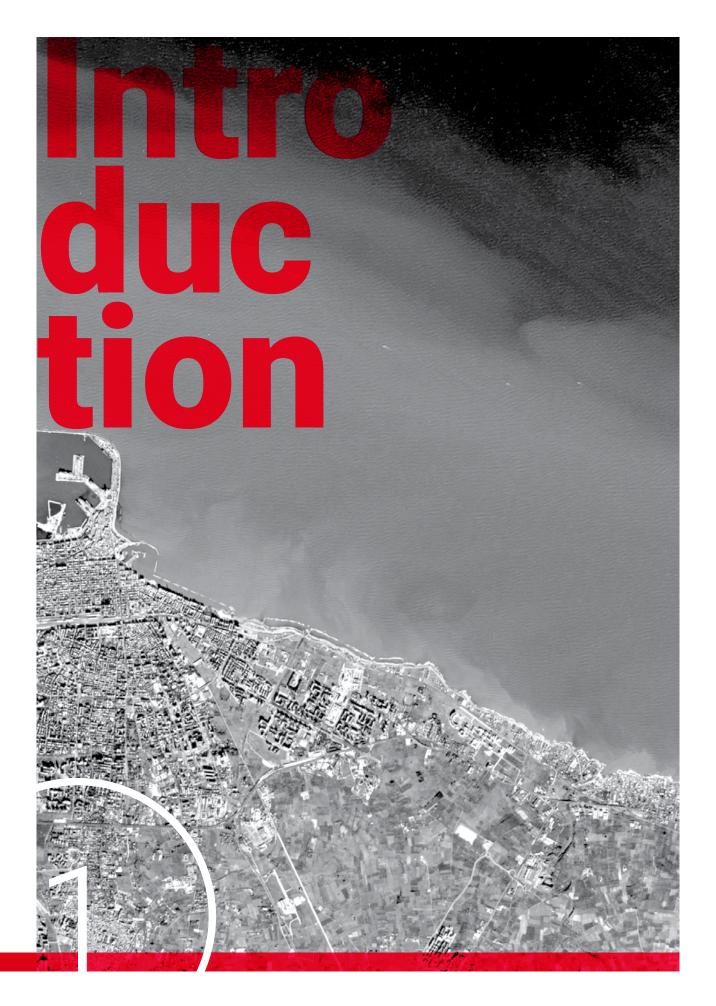
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#### **VISION 2025**

Goals 2025 3





#### Introduction

# Highlights.

















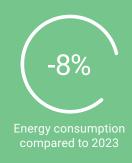


















# Impact manager



# Department contact

















#### Introduction

# People behind our sustainability.





#### Introduction /

# Letter to our Stakeholders.

Dear Stakeholder.

Since April 2021, Planetek Italia has adopted the status of a "Benefit Corporation" and has included objectives of common benefit in its company statute.

This business model is designed to combine economic, social, and environmental sustainability. It is a strategic choice aimed at strengthening our commitment to a generative business model that prioritises the wellbeing of people and the environment in which we operate. It also formally binds us to act responsibly, sustainably, and transparently towards individuals, communities, local areas and the environment, cultural and social assets and activities, institutions, associations, and other stakeholders.

The wellbeing of people and the protection of the environment have been fundamental to Planetek Italia since its founding in 1994, and the transformation into a Benefit Corporation is the result of a journey spanning more than 25 years.

Our impact report has been designed to provide a clear and comprehensive overview of our efforts in terms of sustainability, innovation, and community engagement. We believe it is essential to be accountable for our actions and the impact they have on the environment, society, and our community.

The impact report provides an overview of the projects and initiatives we have developed over the past year.

During the 2024 financial year, Planetek continued to grow and consolidate its position as a leader in the geospatial solutions market, with a significant 25% increase in net revenue compared to 2023. We also maintained sound financial management, ensuring a sustainable financial balance.

This was made possible thanks to strong investments in R&D, the continued growth of a highly skilled workforce, and through synergy and collaboration with numerous research centres and universities, particularly those located in the areas in which we operate.

All of this enabled us to expand our workforce, which at the end of 2024 counted 114 employees, with an average of 106 during the year compared to 87 the previous year. This confirms the company's commitment not only to maintaining its core competencies—thus preserving the value of investments made in training and the development of know-how—but also to growing its team.

The many accolades received this year, described in the following pages, reinforce our conviction that we have embarked on an important journey, and that we must continue to pursue our goals of delivering common benefit to the broader community touched by our business activities.

In this spirit, the "Activating Sustainability" programme continued this year as well. It engaged the entire company community with a focus on training and facilitation, because we firmly believe that: "Small acts, when multiplied by millions of people, can transform the world." – Howard Zinn.

Impact Manager Mariella Pappalepore

Mexica Reppla poze





#### Our values

# Vision & Mission.

We simplify the adoption of geospatial data in order to understand the world better, and to enable people to act in an aware and timely manner in order to live better and preserve the Earth.

Planetek Italia is an Italian Benefit Company established in 1994, which employs women and men, passionate and skilled in Geoinformatics, Space solutions, and Earth science.

We provide solutions to exploit the value of geospatial data through all phases of data life cycle from acquisition, storage, management up to analysis and sharing.

We operate in many application areas ranging from environmental and land monitoring to open-government and smart cities, engineering and construction, transport, energy and utilities, food production, and including defence and security, as well as space exploration and EO satellite missions.





- Satellite, aerial and drone data processing for cartography and geo-analytics production
- Geoinformation services for the continuous monitoring with satellite data of Earth's surface, infrastructures, work sites, urban dynamics or marine coastal areas in support of decision-making and operational activities
- Design and development of Spatial Data Infrastructures (SDI) for geospatial data archive, management and sharing
- Design and development of real-time geo-location based solutions, through positioning systems such as GPS/ Galileo/GNSS and indoor location systems
- Development of software and algorithms for the processing and management of data and images on board satellites and for ground segment infrastructures

The Planetek group is active in the national and international market through four companies based in Italy and Greece: Planetek Italia, Planetek Hellas, GAP and Geo-k. Planetek Italia is structured in Strategic Business Unit (SBU) focused on different markets: Government & Security, SpaceStream, Business to Business.



#### Our values /



There is no business to be done on a dead planet. (Y. Chouinard. Fondatore di Patagonia)

Our actions, both as individuals and as a company, have an impact on society and the environment. This impact can be shaped by the choices we make. For this reason, since the founding of Planetek Italia, we have nurtured the ambition to be part of the solution, rather than part of the problem.

Over the years, we have developed an awareness that the model of economic growth as we have known it so far has led to unsustainable environmental pressure and unsatisfactory outcomes in terms of equity and social inclusion. We firmly believe that businesses can make a significant contribution towards achieving ambitious goals that combine development with sustainability.

This long journey officially began in 2008 with the adoption of an environmental management system compliant with UNI EN ISO 14001:2004 and EC Regulation 761/2001 (EMAS). During the same period, we adapted our procedures to the SA8000 standard for social responsibility. In 2024, we obtained Gender Equality Certification in accordance with UNI/PdR 125:2022, further confirming our commitment to an inclusive organisation that respects gender equality.

Within Confindustria, we promote dialogue on the themes of economic and social development that respects both people and the environment, through the Club della Cultura. Since 2006, we have been members of Costellazione Apulia, a consortium of Apulian companies committed to exploring new models of sustainable development.

Planetek was among the first 40 European companies to sign, in 2021, the \*Statement for a Responsible Space Sector\*, an initiative by the European Space Agency aimed at providing a foundation for the sustainable development of the space sector and enhancing the contribution of space activities for the benefit of society.

In line with these commitments, we became a Benefit Corporation in 2021, incorporating into our objectives of common benefit the development of actions aimed at enhancing people's wellbeing, reducing our environmental impact, and supporting the development of the local area and community in which we operate.

The role of private enterprises in sustainable development was established by the United Nations through the Global Agenda for Sustainable Development (Agenda 2030), whose implementation requires strong engagement from all segments of society: from the business world to the public sector, from civil society to philanthropic institutions, from universities and research centres to cultural and media operators.

Agenda 2030, with its 17 Sustainable Development Goals (SDGs), provides a reference framework for all companies wishing to contribute to sustainable development.

Our daily actions are constantly directed towards contributing to achieving the SDGs of the 2030 Agenda in the knowledge that "what we do is just a drop in the ocean, but if we did not do it, the ocean would have one less drop" (Mother Teresa of Calcutta)

SDG	ACTION	WHAT WE DO IN PLANETEK ITALIA
3 0000 MINITY	<b>Good health and well-being</b> Ensuring health and well-being for all and all ages	We have a beautiful and comfortable office, bright and quiet, just a short walk from the sea. Walks along the seafront are part of a daily ritual during the working day. Those who wish can take part in sport at a partner fitness centre, supported by our flexible working hours. Table football matches mark the rhythm of the day, while evening fiveas-ide football and volleyball provide moments of relaxation and socialising, open to everyone. We have appointed two Chief Party Officers who, with the contribution of all, organise recreational and leisure activities. Employees are also offered free theatre tickets and season passes.
4 GUALITY EDUCATION	Quality education Ensuring quality, equitable and inclusive education and promoting lifelong learning opportunities for all	Combating the obsolescence of people's skills is one of our key objectives. We actively promote refresher courses and participation in conferences. We encourage enrolment in university degree programmes, PhDs, and Master's courses. We regularly organise internal seminars, open also to external participants (Design Lab Meeting, Aperitek), on topics proposed by participants themselves, covering technological, social, and environmental issues. We host internships and training placements through partnerships with local universities and take part in school-to-work transition programmes. We support industrial PhD programmes.
5 sees (1) (1) (2)	Gender equality Achieving gender equality and empowerment (greater strength, self-esteem and awareness) of all women and girls	We guarantee equal opportunities for all employees, and any form of discrimination is strictly prohibited on the grounds of race, social background or national origin, religion, disability, gender, sexual orientation, family responsibilities, marital status, trade union membership, political opinions, age, or any other condition that might give rise to discrimination. Since 2009, our social responsibility system has been certified according to the international SA8000 standard. Women make up 25% of our Board of Directors and 30% of our workforce—above the industry average. Since 2024, we have held UNI/PdR 125:2022 Gender Equality Certification, with a score of 81/100.
7=	Affordable and clean energy Ensuring access to affordable, reliable, sustainable and modern energy systems for all	We have chosen an electricity supplier that guarantees, via the Guarantee of Origin issued by the GSE, that we purchase only green energy, generated exclusively from renewable sources, without the use of fossil fuels and with zero greenhouse gas emissions into the atmosphere. We are constantly working to reduce energy consumption for office operations, business travel, and the functioning of the computers and servers that support our activities.
8 INCIDENT WITH AND INCIDENTS	Decent work and economic growth Promoting lasting, inclusive and sustainable economic growth, full and productive employment and decent work for all	Our corporate welfare system has received numerous awards over the years and ranks significantly above the industry average. Since 2016, Planetek has been among the 100 best Italian companies according to the Welfare Index PMI and has been recognised as a Welfare Champion since 2019. In 2024, we ranked 1st in the WelmpactIndex® Italy and 3rd in the HappyIndex®AtWork. Since 2015, we have been awarded by Industria Felix as the best innovative SME for management performance and financial reliability based on ESG principles. Since 2023, we have been included in the Golden Register of Italy's most competitive and reliable businesses and received the High Honour of the Balance Sheet. In 2023, we were named Italy's Sustainability HERO by SME EnterPRIZE.
9 MALTITE SHOULDER	Industry, innovation, infrastructures Building a resilient infrastructure and promoting innovation and fair, responsible and sustainable industrialisation	We invest over 5% of our turnover in research activities. We collaborate with local, national, and international research institutes and universities to support internships, dissertations, PhDs, and research scholarships. We share our know-how and expertise through our learning platform (https://eolearning.planetek.it) and by organising training placements, conferences, workshops, and seminars with free participation.
	Sustainable cities and communities Making cities and human settle- ments inclusive, safe, durable and sustainable	We promote sustainable mobility through the use of public transport and bicycles. During business travel, we strongly encourage the use of public transport. We also support cultural growth in our region by backing the activities of Teatri di Bari, both financially and with managerial support.
12 supressed to	Responsible consumption and production Ensuring sustainable patterns of production and consumption	All our company computers are low energy consumption models, and we use cloud-based servers that ensure a high level of energy efficiency. We have made investments to improve the energy efficiency of our workplaces, including the gradual adoption of LED lighting, improvements to thermal insulation in our offices, and the optimisation of air conditioning systems and the server room. We carry out waste separation for glass, plastic, paper, and organic waste. We are committed to reducing plastic usage by exclusively adopting compostable products.
13 tame	Climate action Take urgent measures to tackle climate change and its consequences	Thanks to the energy efficiency investment plan carried out in 2013, our energy consumption has progressively decreased. In 2024, all the energy we used came from renewable sources, with an estimated annual saving of over 60 tonnes of ${\rm CO_2}$ emissions into the atmosphere (source: Enegan).





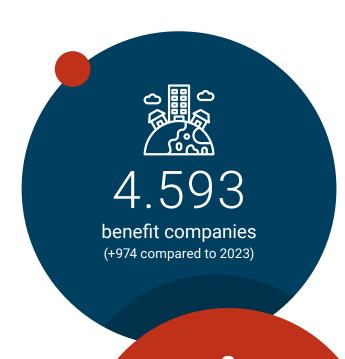


# Benefit companies.

The Italian law "Legge di Stabilità 2016 - L. n. 208/2015 - Art. 1, paragraphs 376 to 384 and annexes 4 and 5" introduced in Italy the Società Benefit, a legal form characterised in a nutshell by high levels of responsibility, sustainability and transparency. In this way, the legislator assigned 'the for-profit world the responsibility and the opportunity to be the engine of the turn towards sustainable development'.

Benefit societies are powerfully innovative enterprises because, as paragraph 376 states, 'in carrying out an economic activity or with the aim of sharing profits, they pursue one or more common-benefit purposes and operate in a responsible, sustainable and transparent manner towards persons, communities, territories and the environment, cultural and social goods and activities, bodies and associations and other stakeholders'.

The Italian legislator, through the benefit company model, reinterprets the role of the company in society, defining a new finalism that associates the exercise of economic action with the necessary and contextual generation of positive impacts (or reduction of negative impacts) towards stakeholders: The need to generate a common benefit in order to honour one's mission thus becomes an integral part of the company's daily actions, its strategic, organisational and managerial choices, which must be oriented towards balancing the creation of value for the owner with the creation of value for all stakeholders, for the environment and for society in general.



217.000

total employees (+29.000 compared to 2023)



Data updated 31/12/2024 by: National search on Benefit Corporations 2024 Source: https://www.unipd.it/news/presentati-nuovi-risultatiricerca-nazionale-sulle-societ-benefit

# Planetek Italia. Purposes of common benefit.

Planetek Italia, pursuant to Article 1, paragraph 379, of the Italian L. 28 December 2015, no. 208, in the exercise of its economic activity, in addition to the purpose of sharing profits, pursues the following specific purposes of common benefit, operating in a responsible, sustainable and transparent manner towards people, communities, territories and the environment, cultural and social assets and activities, bodies and associations and other stakeholders pursuant to Article 1, paragraphs 376 ss., L. ult. cit., namely:



Д

promotes initiatives for the development of an entrepreneurial culture that respects the principles of corporate social responsibility. E

builds stable and lasting relations with the context in which it operates in order to foster the harmonious development of the territory C

organises free training events and workshops to create synergies with companies in the area, fostering encounters with young talents, stimulating innovation and research, and supporting the birth of startups

D

supports awareness of environmental protection as a shared value



#### Our values /



# **Certifications & Awards.**



Since 2009. Planetek Italia is certified SA8000, which certifies the social and ethical responsibility of companies. SA8000 is an international standard that lists the requirements for ethically correct behaviour of companies and the entire production chain towards workers.

Since 2007. Planetek Italia has ob-



Since 2017, Planetek Italia has adopted an information security management system for all company databases and processing systems in accordance with the ISO/ IEC 27001 standard



tained the ISO 14000 environmental certification, and since 2010, the EMAS (Eco-Management and Audit Scheme) registration, a voluntary instrument created by the European Community to which organisations can voluntarily adhere in order to assess and improve their environmental performance and provide third parties with information on their environmental management.



Since 2024, we have held UNI/PdR 125:2022 Gender Equality Certification, with a score of 81/100.

Women make up 25% of our Board of Directors and 30% of our workforceabove the industry average, further confirming our commitment to an inclusive organisation that respects gender equality.



Since 2000, the organisation of the company's system has been certified in accordance with the specifications of the ISO standards and led Planetek Italia to obtain ISO 9001 certification for 'Design, realisation and assistance on Geographic Information Systems (G.I.S.), Geographic and Earth Observation (E.O.) data processing. Design and realisation of training in the field of Geographic Information Systems and Earth Observation.



Since 2014, Planetek Italia's management system is certified in accordance with the guidelines for the application of ISO 9001 to the provision of Earth Observation services, defined by the European Association of Remote Sensing Companies (EARSC).



Since 2016, Planetek Italia is registered in the Special Section of Innovative SMEs as per the Italian Law 24 Marzo 2015 n.33.



Since 2021, the Italian Competition and Market Authority has awarded Planetek Italia a legality rating of 2 stars.



In 2024, we ranked 1st in the WelmpactIndex® Italy and 3rd in the HappyIndex®AtWork Italian awards.



The aim is to monitor and increase employee satisfaction trough indicators granted by ChooseMyCompany – Italy.





Our growth and corporate welfare system has received numerous awards over the years. Since 2016, Planetek has been listed among the 100 best Italian companies according to the Welfare Index PMI and has been recognised as a Welfare Champion. Since 2015, we have been awarded by Industria Felix and included in the Golden Register of Italy's most competitive and reliable businesses and received the High Honour of the Balance Sheet. In 2023, we were named Italy's Sustainability HERO by SME EnterPRIZE.







# Reporting 2024

# Management performance.



#### Key economic data

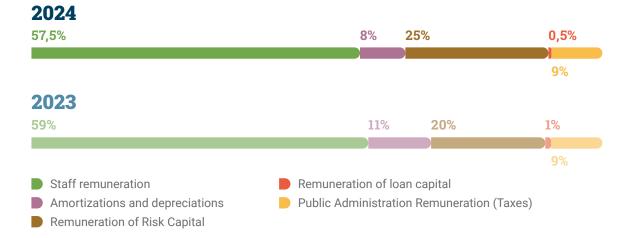
The reclassified profit and loss account of the company compared to the previous year is as follows:

RECLASSIFIED BALANCE SHEET	2024	2023	var.
Net Revenue	22.527.554	18.090.631	4.436.923
Other income	-	-	0
External Costs	(12.369.889)	(10.270.005)	(2.099.884)
Value added	10.157.665	7.820.626	2.337.039
Labour cost	(5.834.804)	(4.611.836)	(1.222.968)
Gross Operating Margin	4.322.862	3.208.790	1.114.071
Amortizations, depreciations and other provisions	(796.834)	(854.561)	57.727
Operating Result	3.526.028	2.354.230	1.171.798
Net financial charges	(41.540)	(66.571)	25.032
Gross Profit	3.484.487	2.287.658	1.196.830
Taxes	(953.241)	(684.010)	(269.231)
Net Profit	2.531.246	1.603.648	927.599



#### Distribution of the Value added

Distribution of the value added





# Areas of impact.

Planetek Italia has chosen to adopt the measurement tool provided by the Open-ES platform developed by ENI.

Open-ES is a collaborative platform built on the model of the four Pillars of the Stakeholder Capitalism Metrics issued by the World Economic Forum. These metrics were selected for their clarity and versatility, covering all sectors and business models. Performance assessment is structured across 12 levels.

Since 2023, the Open-ES platform has merged the People and Prosperity Pillars into a single Pillar called Social, making comparison with previous years no longer possible.

A comparative analysis against benchmark averages by company size and sector confirms that the score levels achieved fall within the highest range across all Pillars.

# Evaluation sheet 2024





#### Fundamentals 2024



# Reporting 2024 /

# Governance principles

SOCIAL

#### People

# Prosperity

#### **Planet**

The quality of corporate governance is fundamental to achieving long-term value, aligning and driving financial and social performance, and ensuring responsible management to protect the planet, people and economic prosperity.

People are at the centre of the success of all organisations, and companies must be committed to respecting health and safety, human rights, providing decent work standards for all women and men, including the young and disabled, and providing equal pay for work of equal value.

The economic prosperity of society is essential for the achievement of the Sustainable Development Goals and the growth of a 'strong, inclusive and transformative economy'. Economic growth based on decent employment and equitable development based on sustainable production and consumption.

The environmental impact of companies depends on multiple factors (business activities, production chains, customers' use of products and services) and therefore it is crucial to protect the planet from degradation by managing natural resources and taking urgent action on climate change.







# Reporting 2024 /

# **Key Facts 2024.**





































## Reporting 2024 /

# The path "Activating sustainability".

# Detailed objectives and involvement

- Uniformity of strategic vision and declination of sustainability objectives, involving the Executive Committee and a group of function contact persons
- Activation of a group of 'Ambassadors', a central figure for raising internal awareness of sustainability issues and coordinating active commitment by the entire company
- Involvement, with a view to training and facilitation, of all employees, with the making of concrete commitments



# Defining the work

The development process was set up with reference to the 4 sustainability impact areas of the Open-Es model.

The 4 areas guided the definition of the function objectives, the organisation of the Ambassadors (divided into 4 corresponding groups), and the subsequent aggregation of each person in the organisation to one of the 4 areas, defining their own commitment. This work laid the foundation for the 2024 activity, which is oriented towards the pursuit of the function objectives and the realisation of actions capable of bringing groups of people together and generating tangible results.



STRATEGIC

EXE





CONNECTION WITH OPERATIONS

DEPARTMENTAL REPRESENTATIVES





ENTERTAINMENT, REFERENCE,

AMBASSADOR





INDIVIDUAL ENGAGEMENT

ENTIRE ORGANIZATION





## Reporting 2024 /

# **Planetek Academy**

#### What is it

Planetek Academy supports the company's common benefit mission of promoting geospatial knowledge.

The activities of the Planetek Academy are divided into initiatives aimed at company staff and other initiatives aimed at all stakeholders interested in deepening their knowledge of the geospatial world and space.

Planetek Academy organizes courses, seminars, webinars, hackathons, internships and scholarships for company staff and for students, researchers and anyone interested in the geospatial world.

The training courses cover topics such as Earth observation, GIS, WebGIS, SDI, data processing, machine learning, radar, satellite missions and software tools. The modules are taught by expert staff and include theoretical and practical sessions.

# INTERNAL ACTIVITIES

Technical Courses

Soft skills Courses

Lab Innovation Meeting

Aperitek
Master & MBA

**Events** participation

# **EXTERNAL ACTIVITIES**

Mooc

**EO-Learning** 

Scholarships and PhD support

Collaboration on Research

**Traineeships** 

**ITS Partnership** 

Hackathon

Webinar

**Seminars** 



# Planetek Academy: Activities in 2024

The activities of the Planetek Academy aimed at internal staff were focused on training the dozens of new hires to provide transversal knowledge on the various geomatics topics. The main activity that has been started is the planning and provision of a training course to be provided in the years 2023 and 2024, structured into over 15 training modules.

The courses are delivered in synchronous in-person mode. All courses are video-recorded and enrich the catalog of all training resources freely accessible to all Planetek staff and people carrying out internships and doctorates.

The Academy's external activities included the organization of hacktahons, webinars, information seminars, support for numerous research doctorates, internships and training courses.

The EO-Learning MOOC is freely accessible by anyone online and includes the release of training credits for members of professional associations like geologists, engineering, and so forth.







# Reporting 2024 /

# A Community that Creates Value: Wellbeing, Social living and Personal Growth.









A Welfare System to Listen, Support and Include



Social Life as a Cornerstone



Social and
Environmental
Commitment:
A Company that
Plays its Part

Being recognised among the top 100 Italian companies in the Welfare Index PMI is no coincidence.

It reflects years of genuine attention to people's needs: flexible working hours, psychological support, bright and comfortable offices just steps from the sea, agreements with local gyms, and much more. At Planetek, welfare is a living system, designed to evolve and respond—promoting everyday balance and peace of mind.

Wellbeing also comes from smiles. That's why two Chief Party Officers (CPOs) enliven company life with five-a-side football tournaments, table football matches, themed evenings, trips, theatre outings and convivial gatherings.

Social life here is a powerful tool to build bonds, break down hierarchy, and foster a deep sense of belonging. At Planetek, every moment is a good reason to celebrate together. From taking part in Pride Month and Race for the Cure, to beach cleanups and ethical food cooperatives, Planetek actively promotes tangible actions for the common good. The approach is participatory: every team member can contribute ideas, time, and passion. This is how a community is built – one that not only works, but acts to shape a fairer, more just and more sustainable world.

# Planetek Italia as a shared, generative space for the wellbeing of people and the wider community

Stepping into Planetek, you immediately sense it's not just a company. It's an ecosystem where work and life converge, influence each other, and mutually enrich. It's a place where people are not just skilled professionals, but individuals united by shared values, passions, and purpose. At Planetek, wellbeing, social connection, and personal growth aren't just fringe benefits – they are the foundations of an authentic and deeply rooted company culture.











Lifelong Professional Growth: the Planetek Academy

Through the "Activating Sustainability" programme, Planetek has involved everyone in shaping concrete commitments and actions across four areas: Governance, People, Prosperity and Planet.

A group of Ambassadors facilitates this journey, promoting awareness and participation. Because meaningful change must begin from within. At Planetek, we offer a continuous training programme designed to keep staff skills and knowledge up to date and evolving throughout their careers. The goal is to maintain a high level of professional preparedness, enable adaptation to changes in the job market and new technologies, and combat professional obsolescence.

Through the Planetek Academy, we provide a comprehensive programme of technical and soft skills cour-

ses, inspirational seminars (such as Aperitek), and opportunities for participation in events, Master's programmes and PhDs.

These training activities are often open to external participants as well, through the free EO-Learning platform and complimentary satellite remote sensing workshops for professionals such as geologists and engineers, as well as new hires, students, and researchers.



## Reporting 2024 /

# Earth Observation for Sustainable Development.

# Supporting sustainable growth in developing countries

Earth Observation (EO) plays a vital role in supporting sustainable development by providing accurate, timely, and cost-effective data to inform decision-making around natural resource management, urban planning, agriculture, and disaster resilience. Through satellite imagery and geospatial analysis, EO enables governments and organisations to monitor land use, deforestation, water availability, and crop conditions-even in remote or conflict-affected regions where field data collection is challenging. This information supports more effective planning and policymaking, helping to protect ecosystems, improve food security, and manage climate-related risks.

Moreover, EO empowers local communities and institutions by build-

ing digital infrastructure and data literacy, often in collaboration with international agencies and NGOs. By integrating EO data into local decision-making processes—such as identifying flood-prone areas, mapping informal settlements, or monitoring the impacts of mining—developing countries can pursue more inclusive and resilient growth. EO thus becomes not only a tool for observation but a foundation for action aligned with the United Nations Sustainable Development Goals (SDGs).

Planetek Italia is involved in numerous projects that deliver satellite-based environmental information and capacity-building activities in support of initiatives by ESA and International Financial Institutions (such as the Asian Development



Bank) across African regions and developing countries.

These efforts assist local governments in several areas, including: disaster risk reduction, water resource management, biodiversity conservation, agriculture and aquaculture, forest carbon emissions, and land monitoring.

# Main projects in this field:

EO-Africa, ESA EO4SD-DRR, ESA GDA AID Marine Environment & Blue Economy, Ulysses, Worldfish, Eu-Mon, Flowered, Afforestation Monitoring in Saudi Arabia.

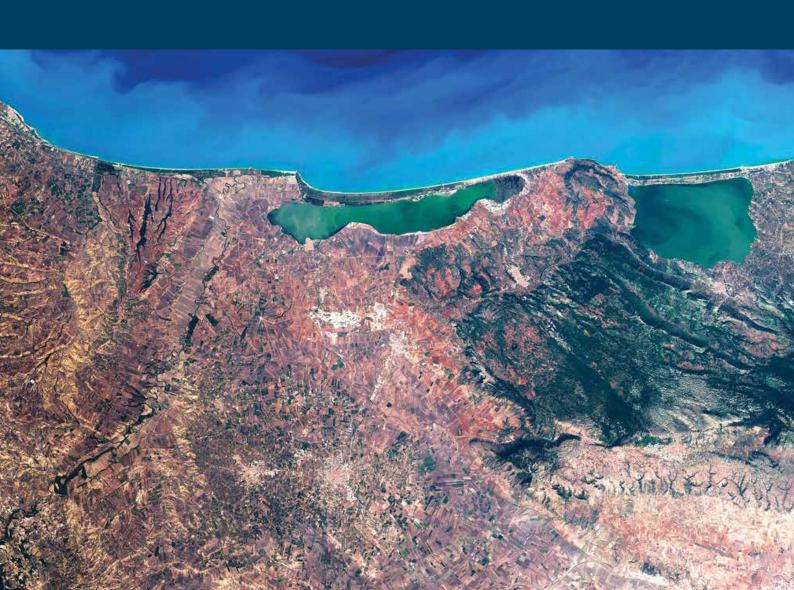


# Monitoring the Marine Environment: Protecting Our Oceans.

# Reporting 2024 /

The marine environment is fundamental to life on Earth: it covers over 70% of the planet and produces at least 50% of global oxygen thanks to phytoplankton. Oceans also absorb around 25% of the CO<sub>2</sub> generated by human activity, helping to mitigate climate change, while regulating global climate and temperature through ocean currents. Coastal ecosystems, such as mangroves and coral reefs, provide storm protection and are essential for food security and the livelihoods of communities.

The "blue economy" - the sustainable use of ocean resources - is



valued at an estimated \\$2.5 trillion per year and supports industries such as fisheries, marine biotechnology, tourism, and maritime transport. Fisheries alone provide a livelihood for over 800 million people and are a primary source of protein for more than 3 billion individuals. However, this economy is under threat from overfishing, pollution, habitat loss, and climate change, with over 30% of global fish stocks overexploited and 8 million tonnes of plastic entering the oceans annually.

Monitoring the health of our oceans is crucial to protecting marine eco-

systems and sustaining the blue economy. Satellite-based Earth Observation (EO) provides continuous, large-scale data on sea surface temperature, chlorophyll levels, ocean currents and more — essential data for informed decisions and effective conservation actions.

Planetek plays a leading role in marine monitoring through advanced EO solutions. Within ESA's Global Development Assistance (GDA) programme, Planetek has developed tools for assessing water quality, monitoring fish stocks, mapping erosion, and detecting pollution. Pro-

jects such as Eu-Mon focus on the impacts of eutrophication, while initiatives like REACT and SPOTTED use artificial intelligence and high-resolution imagery to detect marine plastic pollution.

Activities in Saudi Arabia and Cambodia further demonstrate Planetek's global impact in supporting sustainable coastal and marine ecosystems.

Through innovation and international cooperation, Planetek contributes to healthier, more resilient oceans — for the benefit of future generations.







# Reporting 2024 /

# Building a Sustainable Space Future

For Planetek, being a Benefit Corporation means that economic growth and technological innovation must go hand in hand with environmental and social responsibility. Sustainability is an integral part of its DNA, embraced since its foundation as a core value guiding every aspect of the company's actions. This commitment to sustainability translates into offering solutions that reduce our footprint on Earth—starting from space.

Planetek is among the first signatories in Europe of the "Statement for a Responsible Space Sector" and the "Zero Debris Charter", both initiatives promoted by the European Space Agency (ESA). Signing these frameworks reflects a commitment to contribute to the long-term sustainability of the space sector by minimising environmental impact and placing the responsible use of space resources at the heart of its operations. The Statement and Charter are aligned with major international and European sustainability commitments, such as the European Green Deal and the United Nations Sustainable Development Goals (SDGs).

For Planetek, this commitment becomes tangible through the design of space systems — such as SpacEdge and mission control software - developed for safer, more efficient, and lower-impact missions.

#### Al-eXpress Mission: Artificial Intelligence in Orbit

Space mission scenarios are evolving rapidly, increasing the need for new operational concepts capable of integrating emerging technologies and innovative mission design approaches. Al-eXpress (AIX) addresses this need through a configurable set of space components delivered as a service. These include advanced imaging capabilities, embedded artificial intelligence powered by a high-performance computing platform, and secure software services enabled by blockchain technology. Launched in January 2025, the AIX satellite series demonstrates how we can reshape the space value chain to enhance advanced Earth Observation (EO) services for clients. This new concept of cognitive

cloud computing in space leverages cutting-edge technologies like Al and blockchain to enhance satellite responsiveness, real-time reaction, and low-latency data delivery.

It introduces a next-generation "sat-

ellite-as-a-service" infrastructure an orbital application ecosystem offering unprecedented opportunities for downstream services and applications, with interaction times as fast as 10 seconds.





#### The Circle: Pioneering Earth Observation for a Sustainable Future

The Circle is an ambitious ESA project aimed at revolutionising Earth Observation systems through a science-based reference architecture that tackles key priorities in ESA's scientific strategy. It harnesses the

full Earth Observation ecosystem to enhance digital presence and user engagement.

Using a System of Systems (SoS) approach, it integrates satellite constel-

lations, in situ data, HAPS systems, and digital infrastructures to tackle major scientific challenges—such as the ocean carbon cycle's response to anthropogenic CO2, drivers of ice mass change, and ecosystem transition processes.

# In Summary

Planetek Italia shows that technology and sustainability can — and must — move forward together. As a Benefit Corporation, the company is engaged on multiple fronts: from signing the \*"Statement for a Responsible Space Sector" and the "Zero Debris Charter", to developing visionary missions like AIX, and designing collaborative communities through The Circle project. This integrated approach aims to reduce environmental impact both on Earth and in orbit, helping to build a responsible, balanced, and inclusive space sector.

The Circle aims to shape a flexible, future-proof architecture capable of meeting the ever-evolving needs of users and stakeholders.

This includes operational and scientific satellites, commercial and small satellite assets, data and operational systems, ground infrastructures, predictive models, space access, industrial enablers, and global partnerships.





#### ✓ Vision 2025

# Goals 2025.



- Participation in seminars and events on gender equality
- · Awareness-raising activities on STEM subjects in schools
- · Anti-bullying awareness through presentations and meetings
- Seminars with organisations and associations that promote diversity
- Simplification of language and communication around sustainability
- Integration of institutional communication with sustainability topics



People

- · Social and sporting events
- Digital "passions" board for sharing hobbies and interests
- Organisation of themed team-building activities
- Psychological support within the workplace



**Prosperity** 

- Initiatives for local environmental protection
- Sustainable food purchasing groups
- · Challenge against hunger



- Exploration of urban hydrology issues
- Urban reforestation projects
- Anti-waste recipe sharing
- · Information on sustainable mobility



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#### Planetek Italia srl Benefit Company

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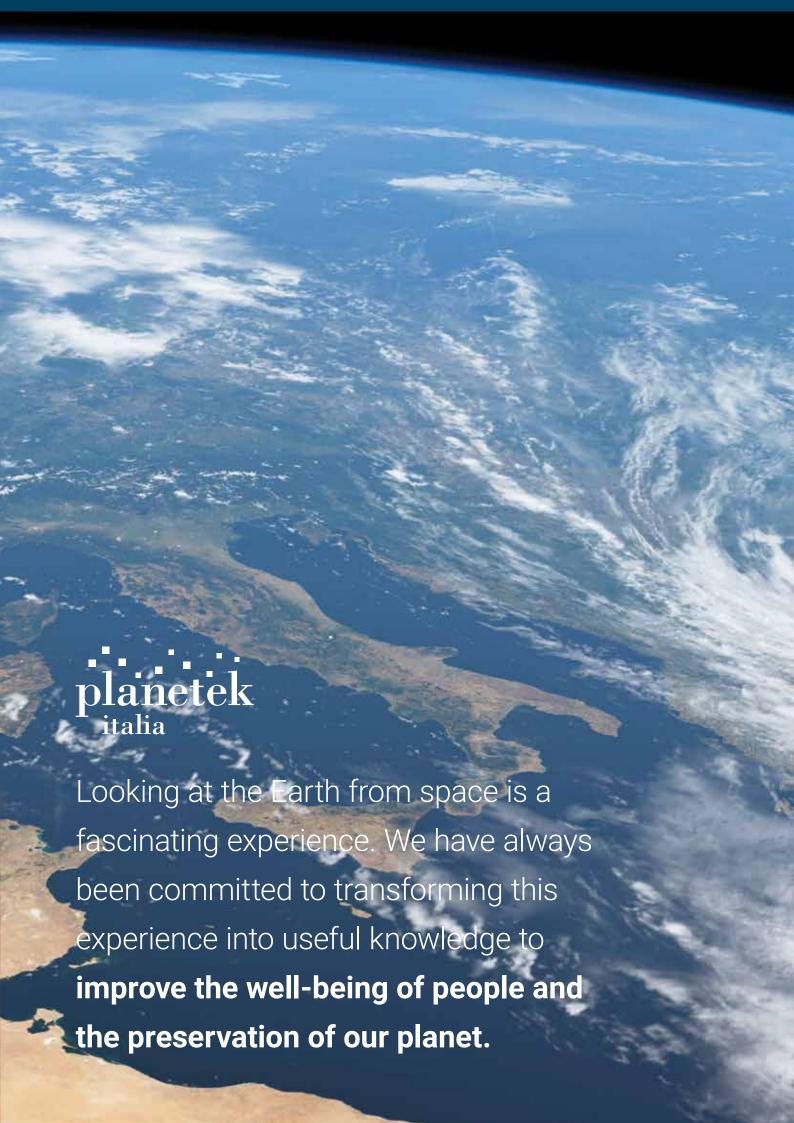
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2024