







Engineers & Citizens answers to challenges and transitions of today and tomorrow.



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And finally: an invitationto join us in this adventure50



WHY

can reasonably think that it is always useful to set shareholders and the ecosystem. Yet, **setec** has It is, no doubt, for all of these reasons, that the **setec** document, as the Group's strategy was aligned with a common strategy. evolution of their markets and clients.

develop given to the teams has been a source of

RESPONDING TO A NEW REALITY

Today, there is a need for such a plan for several reasons.

First of all, the definition of an articulated vision for the companies is necessary on a growing number of issues, whether it be sustainable development, international development, innovation or growth in Finally, **setec** has reached a size that calls for a unified disruptive new fields.

Secondly, the world is undergoing profound changes, linked to an awareness of climate change, ecological and energy issues, but also to a societal transformation, and to our employees' desire for their professional activities to be in line with their values. It is up to us to build together a

vision that gives meaning to our collective action, in line with our "Engineers & Citizens" approach, which expresses our values, choices and priorities, a vision anchored in these values, at a time when their assertion is more necessary than ever.

common vision, a guarantee of trust, attractiveness and loyalty for the Group's 3,000 employees. This collaborative vision sets a course, while preserving our model and the flexibility of our organization. It does not impede the initiative within each of the Group's companies, in close relationship with their teams, clients and projects.

CLEAR TARGETS

The "Transitions 2025" ambition invites us to think and foresee the great changes that are happening in the world, where **setec** must adapt and be in a position to contribute in the years to come.

We have set ourselves a five-year timeframe (2021-2025), which is reasonable for undertaking major transitions, on the basis of the changes that we are able to anticipate.

The vision "Transitions 2025" englobes a realistic collective ambition, that unifies and rallies all of the companies together. It will be the pillar around which the Group's companies will articulate their strategies in order to act together.



It is based on our values and strenghtens them for the years ahead.

How do we define engineering excellence in five years from now? What will "people first" mean on this occasion? How can we encourage the emergence of ideas, initiatives, innovation, entrepreneurship, by remaining free to venture and maintain a committed, honest and responsible attitude?

These are all questions for which this document provides answers. The answers we would like to convey as engineers, as citizens, as **setec**.



8 • WHO WE ARE

setec today

Created in 1957 by Henri Grimond and Guy Saias, the two passionate founding partners and engineers, setec has been successfully tackling the challenges of major building structures, infrastructure, environmental and urban development projects for over 60 years. A totally independent group, 100% owned by its collaborators, **setec** advocates excellence in engineering to shape smarter and more responsible territories.

A FEW KEY DATES IN THE HISTORY OF **setec**

1957-1994 The Channel Tunnel

1985 Line 1 of the Tunis tramway opens for service

> 2001 Millau Viaduct

Major motorways (A43, A89, A41, ...) Presence in Russia and North Africa

> 2014-2021 **Riyadh Metro**

2016 East European High speed line

2021

Creation of **setec** Africa Launch of the Regional Express Train in Dakar 1965 Transport planning in the lvory Coast

1998 Cœur Défense

2000 Beijing Opera

2009 Nuclear power plants in Flamanville then Hinkley Point

2011 and 2018 Established in Brazil, then Colombia

2014 Grand Paris Express Inauguration of the Louis Vuitton Foundation

2017 Bretagne-Pays de la Loire High speed line

High Speed 2 in the UK

PROJECTS ALL AROUND THE WORLD









Infrastructure

Mobility and



40 nationalities represented

OUR FIELDS OF ACTIVITY



Industrial





Energies & environment



Management

10 • WHO WE ARE

Dur mission

At the end of 2019, we had expressed our values and defined the purpose of **setec**, what makes our company special, unifies and defines the role we intend to play in the society. This purpose is timeless. Expertise and excellence have always played an important role. Not for the sheer beauty of it, but to meet the major challenges linked to each of our areas of expertise (major buildings, infrastructures, transport, industrial projects...).

setec is an expert in engineering, creating sustainable and innovative solutions to address major transitions.

They are accomplished professionals, within human-sized structures, with a sense for sharing and over a long term.

of our environment, they are committed to the success of each and every project.



WHO WE ARE • 11



Excellence

Free to venture

Our Engineers & Citizens mindset

Firmly focused on the future and fully aware of the role that engineering must play in the fight against climate change, the ecological and social transition, the employees of the **setec** Group have collectively chosen their credo: to be "Engineers & Citizens". As citizens, we express our sensitivity to these issues and want to be active in the transformation of our ecosystem. As engineers, we provide practical solutions and as an engineering company, we aim to be the promoters of sustainable projects. Engineers and Citizens: these two elements combine to give meaning to our actions, embody our values and our commitments to Corporate Social Responsibility (CSR) in the daily exercise of our professions and our know-how.

A PRACTICAL PROGRAM

We have defined the four Engineers & Citizens (E&C) pillars and the associated commitments in a common and mutually shared roadmap. Each commitment is translated into specific actions, defined with objectives, guidelines and performance indicators, allowing us to monitor our contribution to the UN Sustainable Development Objectives and the progress of our transition.

Advise and act to reduce the environmental impact of our projects and activities

- To be active in the evolution of our professions by proposing environmental alternatives (decarbonized mobility, low-carbon variants for construction).
- Promote economy through the enhancement of existing assets, reuse and the limitation of land artificialization.
- Expand the scope of our activities to better tackle ecological, climate change and energy issues.
- Ċ Reduce the environmental impacts of our own activities.

8 DECENT WORK AND ECONOMIC GROWTH	9 NDUSTRY, INNOVATION AND INFRASTRUCTURE	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION
1			

13 CLIMATE

Ensure that our actions are in line with our values

- Take into account the impacts on society and the environment in the decision to undertake our projects.
- Prevent corruption and human rights risks.
- Offer employees the opportunity to engage differently through competence sponsorship and the **setec** Foundation.

Encourage professional accomplishment and development among our employees

- Develop talents and create a team spirit culture through the sharing of skills and expertise.
- Ensure equity, diversity and participation in our recruitment and career development processes.
- Strengthen the stimulating environment and well-being at work.
- Preserve the health and safety of our employees.

Q

Connecting our ecosystem

Inform our clients of the impact of the projects at hand, guide them in their choices and propose virtuous solutions.

Choose eco-responsible partners.

Share our knowledge with our ecosystem.







A structured initiative



BY INVOLVING THE ENTIRE GROUP

Engineers & Citizens initiative is relayed to our subsidiaries around the world by a network of 50 advisors. This network enables us to involve and interest, shared by all employees and adapted to international locations.

BY BEING ALL ACTIVE CONTRIBUTORS

Led at Group level by a dedicated team, the The themes highlighted by the Engineers & Citizens approach are set out in detail in the strategic plan that you have in your hands, particularly in sections #1 and #4 (p.24 and 42). Our employees are at the unite the Group around this topic of common heart of this process, as we encourage them to develop their skills and share their experiences. Each the environmental and regulatory diversity of our employee is an actor in this transition through his daily implication within the projects, his participation in internal think-tanks and his external contribution (see Cultivating our talents, p.42 to 49).



Engineers & Citizens contacts in the Group

It is because our Engineers and Citizens approach comes from the inner core of our employees that it is so unique. It will be the breadcrumb trail that will guide us through the major transitions of the world and will dictate our CSR commitments with a 360 degrees vision on all environmental aspects, societal and governance. It allows us to fulfill the expectations of our ecosystem and to be the key players in our sustainable future.

Daniela Burla,

Responsible for the Engineers & Citizens program, setec Group

A foundation to highlight our values

A DYNAMIC FOUNDATION LED BY THE COMPANY EMPLOYEES

Hosted by La Fondation de France, the **setec** Since June 2020, it has backed projects related Foundation is among the first initiative of our to the fight against climate change, sustainable Engineers & Citizens' approach. Created in 2020 at construction, and the protection of terrestrial and the initiative of the Group's employees, its mission is marine biodiversity. Particular attention is paid to to support projects that contribute to the ecological the societal aspect while selecting these projects. and social transition by providing financial support to non profitable organizations, and internationally.

TWO MECHANISMS OF ACTION

In just a few months of existence, the setec Foundation has already accompanied a dozen projects, through two mechanisms. On the one hand, a campaign for thematic projects is launched each year (the fight against climate change in France in 2020 and sustainable construction in France and Africa in 2021). At the same time, a Transition fund allows setec employees to propose projects.

www.fondationsetec.org

ENCOURAGE ASKILLS SPONSORSHIP

setec encourages and supports its employees, who allocate some of their time and skills in favor of a general interest project, enabling an active commitment, particularly in projects financed by the **setec** Foundation.





The GIS Posidonie renforC project, winner of the 2020 call for project, had particularly caught my attention. This scientific experiment aims to enhance marine carbon wells in the coastal marine environment of the Bouches de Bonifacio Nature Reserve in Corsica, by transplanting cuttings from Posidonia grass beds. I am proud that the **setec** Foundation supports this project because it is a fundamental measure in favor of the renaturation of natural carbon wells which is essential in the fight against climate deregulation and the preservation of biodiversity.

> Marie Hommeau. Coordinator of the **setec** Foundation

150000

euros in funding in 2020

220000

euros in funding in 2021



Our vision: 4 transitions for 2025

Leading our ecological, climatic and energy transformation Achieving our digital transition Accelerating and structuring our international development Cultivating our talents

18 • 4 TRANSITIONS FOR 2025

What kind of world in 2025?

In our environment, two major changes are encouraging us to look ahead.

TACKLING CLIMATE CHANGE AND PROMOTING TERRITORIAL RESILIENCE

preservation of the environment are the subject support the territories' resilience in the face of with the emission-intensive construction and something useful and responsible.

The consequences of climate change and the transportation sectors. The challenge is also to of a worldwide awakening that calls for a powerful these challenges. On the occasion of **setec**'s 60th reaction. Through the projects it undertakes and anniversary, the competition organised internally the choices it can make, engineering has a decisive revealed our collaborators' concern for these issues role to play in achieving carbon neutrality, starting and their desire to take tangible actions to do

SEIZING DIGITAL OPPORTUNITIES TO CREATE NEW VALUE

The second great evolution is digital. Digitalization do business, our design processes, the way we (of buildings, structures, networks, territories, etc.) is becoming widespread, and connected objects are multiplying, generating a considerable amount of data in real-time, which can be used to make our installations more efficient and our lives easier. To name a few, energy efficiency, sustainable mobility, infrastructure sharing, or town and network management are radically different in and resilience. setec companies must anticipate this new context. These new technologies and datascience will dramatically change the way we

collaborate with our partners and the way our projects are managed.

In this increasingly connected world, the risks of cyber security are also becoming critical. All structures, buildings and infrastructure are exposed to cyber risks, which can impact their integrity and control these risks for themselves and for the benefit of their clients.



Growing expectations among our clients

The expectations below, which we observe among our clients today, are predicted to increase in the coming years.

#1 **Regeneration of facilities**

#2 Transformation of uses

This trend is sometimes associated with a change of use, for example the development of public transport lanes on urban motorways or the modification of the use and function of a building.

#7 Digital at all levels

Driven by the deployment of tools such as BIM or GIS, digitalization will be generalised throughout the life cycle of works, from design right through to the end. In addition to the core resources that remain at the heart of our business, we must be prepared to deliver digital resources to our clients to improve operations, maintenance, diagnostics and regeneration of facilities.

#3 Decentralised stakeholders

We also expect a decentralising of our clients in the world of energy or mobility, for example with the transfer of railway infrastructures and their operations to regions, municipalities or mobility organization authorities which are gaining in importance.

#4 Low-carbon, sober construction

In the building and urban sector, the evolving national regulations should reinforce expectations for low-carbon construction and operation as well as improved energy, consumption, environmental and health performances. More recently, laws fighting waste and in favor of a circular economy were passed. Henceforth, significant demolition or rehabilitation works must be subject to a diagnosis related to the management of the materials, in order to reuse them or failing that, recycle them.



The pandemic has accelerated the revelation of factors that are transforming our businesses and our clients: the importance of the climatic element, the digital, the exploitation of data... Our major public and private clients await our initiatives to make things environment-friendly and cheaper. We have new, more local contacts such as public authorities that are armed with new competences, project companies, investment funds or international construction groups, with different perimeters depending on the country. The importance is to understand each client, to anticipate their needs by drawing on our expertise and constantly being attentive to our ecosystem. The creativity and entrepreneurial spirit of each one of our employees are essential, as is our presence in our countries and regions of intervention, without forgetting to communicate and share between us our experiences. It is up to us to be imaginative and flexible in this new landscape!

Anne-Marie Choho, General Manager, **setec** Group

#5 Quality of life

At the territorial level, the post-pandemic world may undoubtedly be different in terms of how quality of life and the environment are taken into consideration. We can expect to see increased public transport and soft mobility, more green spaces, higher expectations in the guality of housing and offices, and an increased demand for the flexibility of uses.

#6 More innovation and competitiveness for industry

For their part, our industrial clients will always be looking for more flexibility and innovation, and for services at competitive prices, combined with local proximity.

#8 Internationally, a need to support large projects

Internationally, we expect to see a steady demand for new works or equipment, driven by investment funds or private stakeholders who have the skills in administration, legal and financial aspects and that setec can provide in technical, environmental and project management.

Imagine setec in 2025

THE AMBITION OF NEWFOUND EXCELLENCE AND LONG-TERM RESULTS

by expanding organically and through some is, however, imperative to progress, explore, invest acquisitions to complement its technical palette or to establish itself in a new country. The race for the size is not an objective in itself for **setec**. We favor the search for excellence, focusing on mastering technical subjects and risks. While growth is not the driving force behind our ambition, we readily acknowledge that it is a sign of vitality, reflecting the quality of our services and our attractiveness

Since its creation, **setec** has grown steadily, mainly to both our clients and our employees. Profitability with confidence, and provide employees with a framework for a stimulating development. It is also a necessity of our employee shareholders model. We are not looking for short-term profitability, but for sustainable profitability, which allows us to reinvest in projects for the future. We also believe that our profitability is a consequence of the quality of the services we provide.

Our 4 strategic priorities for 2025

We have set four strategic priorities for the years 2021-2025. The first two arise naturally as a result of the major transitions mentioned above. The third reaffirms our international ambition, which we announced in 2007 on the occasion of the 50 years of **setec**, and which we are now accelerating through a collegial and structured approach. The fourth priority, "cultivating our talents," could have been a simple means to support the three previous axes. We have made this a strategic axis in its own right, convinced that the women and men who make up our company are the greatest asset, that their talents forge the reputation of the company and gives it all its purpose.

CONSULTING PARTNERS FOR OUR CLIENTS, ALL OVER THE WORLD

In 2025, **setec** will still be an independent and and environmental issues. The Group will also have citizen-oriented group. Our shareholder structure structured itself around a more active presence on will not fundamentally change. It is a guarantee of the international scene. Our ambition is to perform independence in the service of our clients, but also, our projects locally, as much as possible, with the and increasingly, in the service of the common good same quality requirements in the technical field as towards a citizen's approach. Supported by this in project management, using the latest expertise independance, **setec** will position itself more as a high-level strategic advisor, fully aware of societal

from all our local establishments.



AN EXCELLENCE BASED ON OUR TALENTS

The reputation of **setec** comes from the talents meet the challenges expressed above, we need to that have been revealed through our projects. go even further, to develop our talents throughout Our professions are demanding and risky. They require high-quality recruitment, several years of experience alongside experts from all disciplines. This is the very basis of our engineering practice. To

their career at **setec**, and to value their contribution in terms of creativity and meaningfulness, in order to match our goal of excellence in 2025.

Leading our ecological, Priority **#1** climatic and energy transformation

WHERE DO WE STAND TODAY?

of projects led by setec is 100 to 1000 times greater than that of our own engineering activity (production of studies, travel...). These figures are taken from the prospective study conducted As the business as usual scenario is no longer by Carbone 4 for setec in 2019. This study has acceptable, we have decided to change in depth our addressed the problem of climate change from two daily behavior and the way we conduct our projects.

In terms of greenhouse gas emissions, the impact perspectives: how can a company reduce its impact on the environment? What is the impact of climate change on the company?

PRACTICAL TOOLKITS

environmental and climatic issues, we have Our challenges begin quite naturally by the publications of manifestos that describe our path triggered: to future transitions, so that our vision fits into a global movement. A subsequent way to make • The deployment of Climate and Digital Frescos these challenges a reality is to produce internal throughout the Group, in France and internationally, with the aim of training all employees in the short guidesbooks. term (more than 700 employees have already been In these guides, we provide our employees with trained in the Climate Frescos in 2020 and 2021).

practical tips and resources to help them develop feasible environmental solutions in terms of construction. These "toolkits" are then used to develop training courses for the **setec** Engineers & Citizens Campus.

In the "training and skills" challenge dedicated to the qualification of our employees on

100 to 1000x more

carbon impact in our projects than in our direct daily engineering activities

"QUICK WINS" AND MAIN CHALLENGES ECO-BEHAVIOR AND ECO-DESIGN

As part of our Engineers & Citizens approach, fleet, engaged in the fight against the use of since the end of 2019, we have initiated quick plastic in our offices, established a sustainable win actions to minimize the impact of our purchasing guide and worked on responsible daily behaviors on the environment: "the ecobehaviors". We have also set "challenges" related to the content of our projects.

put into place a transport policy consistent with our commitments (preferring the train over the plane), deployed a sustainable mobility package, revised the management policy of the automotive set in motion soon.

digital good practices.

As for the "challenges" that focus on our projects, five are under way: low-carbon design, For our eco-behavior, as early as 2020-2021 we decarbonized mobility, territorial resilience, sustainable energy, and educating our colleagues about environmental and climate issues. Other challenges (biodiversity, circular economy) will be



• Building an Engineers & Citizens hub platform to capitalise our accumulated knowledge and to share our many areas of expertise. It also includes a mapping of our community of "experts" on environmental issues.

Low-carbon construction

WHAT IS AT STAKE

In France, the construction sector accounts for 44% and air conditioning of a building, motorway traffic). of the energy consumed (source: French Ministry In order to limit the consequences of climate change, of Ecological Transition). On the other hand, the the French Government committed itself to achieving construction industry accounts for more than one third carbon neutrality in 2050 through the National Low of greenhouse gas emissions. These emissions are Carbon Strategy, which sets targets in particular for divided into two components: "gray carbon," which refers the construction, transport, and industry sectors. By to the greenhouse gases resulting from construction, maintenance, and the end-of-life of a project, and "operational carbon," which includes greenhouse gases resulting for the operation of a project (heating

influencing both the choice of constructive systems and the operating conditions of a project, engineers have a significant impact on the industry's contribution to the fight against climate change.

OUR COMMITMENTS

setec's action is fully in line with this low-carbon strategy. In 2019, **setec** joined the Engineers Declare initiative and the Syntec-Engineering Climate Charter. By 2025, we will be committed to:

• Provide a 360° low-carbon vision, supporting the choices that we make in our projects with an overall analysis of needs and impacts.

• Eco-design and decarbonize construction by systematically offering low-carbon alternatives at every stage of a project¹ (e.g. : enhancing and revamping

existing facilities, evaluating the availability of resources, using less carbonated materials, frugal design, open to future evolution).

• Be part of the evolution of our profession by continuing our R&D efforts, improving our calculation and decision support tools (using new metrics), resulting in a shared carbon culture.

¹ Feasibility, design, realization, operation, deconstruction.





Convinced of the environmental urgency, our employees are key players in low-carbon construction. They are fully invested in many research projects, whether they be academic, in partnership with specialists, or from internal reflections. The Low Carbon manifesto and the Low Carbon Project Guide are the means to an eco-design and ecoconstruction in order to reduce the environmental impacts of our projects.

Ingrid Bertin, Eco-design coordinator, **setec** Group

OUR ACTIONS FOR 2025

- Fresco, trainings and conferences.
- Publish our Low Carbon Construction manifesto, released in mid-2021, which formalises and details our 3 commitments.
- \diamond Train and give our employees the tools to assess the carbon impact of our projects, and deploy our low-carbon guidelines, published in 2021.
- them with feedback and input from employees.
- \diamond Identify and highlight services and state of the art projects.
- Propose low-carbon alternatives at every step of a project (kick off, design meetings, project reviews...).

• Increase awareness and educate employees by developing the Climate

 \diamond Continuously improve the guidelines on an ongoing basis, enriching

Decarbonized mobility

WHAT IS AT STAKE

fastest growth in CO₂ emissions. In 2018, a total of 24% of global CO₂ emissions from fuel combustion came from transportation¹. In its "Transport 2050 roadmap, to a Single European Transport Area", the European Commission set a target of reducing GHG emissions at EU level by at least 80% by 2050, compared to 1990 level. For the transport sector, the objective is to reduce emissions by at least 60% within the same timeframe. France, for its part, has set a target of reducing its GHG emissions by 40% by 2030 compared to 1990, and achieving carbon neutrality by 2050². These numbers show the scale of the challenges associated to low-carbon mobility.

The concept of decarbonized mobility aims to meet the needs of travel (people and merchandise), in various contexts and various scales of distance, while contributing to the need to reduce greenhouse gas emissions. The

The transportation sector is currently responsible for the subject therefore concerns vehicles as well as infrastructure, energy (supply, storage, distribution), but also mobility needs, offers and uses. Decarbonized mobility is also closely linked to urban planning issues, such as urban densification and the distribution of housing and work zones, which have an impact on travel. It necessarily requires a multimodal approach to transport and a multidimensional understanding of the factors regulating travel.

> ¹ Source : International Transport Forum's annual report. ² Source: First National Low-Carbon Strategy, revised in 2019.

of the activity of setec is focused on transportation projects

OUR COMMITMENTS

In the field of decarbonized mobility, **setec** will undertake **•** Propose and deploy solutions in the field of low-carbon two commitments by 2025:

• Develop a comprehensive technical policy on decarbonized mobility. This policy will be reflected in a manifesto and a decarbonized mobility guide, "Decarbonization of Mobility by **setec**", backed up by technical and scientific data.

mobility. This includes developing high value-added service offers and putting them into practice, participating in innovative projects and experiments on emerging themes, and including proposals for decarbonizing mobility in our studies whenever possible.





By creating cycling facilities, dedicated lanes to carpooling, studying the redeployment of night-trains, promoting the installation of charging stations for electric vehicles or the energy transition of bus fleets, setec is working towards decarbonizing mobilities. By supporting the many stakeholders involved, we identify relevant means and offer credible alternatives to place decarbonization at the heart of transportation projects.

Caroline Cayzac, Project Manager, setec International

OUR ACTIONS FOR 2025

- Q Promote shared and secure infrastructures to develop alternative forms of mobility (bicycle lanes, reserved lanes, etc.), and adapt existing infrastructures to new uses.
- Improve public access to decarbonized mobility through the Mobility as a Service (MaaS), by working on the organization and consistency of mobility offers and services.
 - Develop innovative technological concepts on the last kilometer transport segment.
 - Conduct logistic improvements in urban and suburban areas.
 - Promote the local production of natural gas for vehicles and hydrogen from green resources (through waste recovery, recovery of residual energy or surplus electricity production...).
 - Deploy Electrical Vehicle Charging Services (EVCS).
- Develop hydrogen ecosystems for community mobilities.

Resilience of territories and their adaptation to climate change

WHAT IS AT STAKE

Floods, fires: natural disasters are becoming more scale adaptation scenarios. However, the upheavals frequent and intense, with severe impacts on the observed, which still strike randomly, generate more most exposed populations and the most vulnerable of an emergency reaction than a structured response. environments. These crises are compounded by We consider that there is currently a lack of operational fundamental trends such as the rise of sea-level or the link between the research sector, the State's public disruption of water patterns. Whether urban or rural, territories need to prepare themselves by becoming more resilient. The "resilience of territories" to climate change covers their capacity to anticipate and transform so as to mitigate the effect of crises and adapt to them gradually, by including risk management in development plans and public policies.

The urgency to act is no longer questionable and requires joint, territorialized and collective answers, with large-

institutions (CEREMA, ADEME, etc.) and the local authorities, which are the first to be exposed but are still powerless to deal with the complexity of the issues.

We thus wish to raise the awareness of municipalities and local authorities of the risks and issues that they face, and develop for them tailored made solutions.



We are already exposed to the hazards of climate change that are more and more frequent and intense. Working on the resilience of territories, in all of their diversity, will allow these new forms of risk to be included into development plans and investment programs. As a responsible engineering company, **setec** can and must play its part. We thus wish to intervene throughout the entire process from the initial diagnosis and planning of adaptation measures to their implementation.

Laurent Guérin,

General Director, **setec organisation**

OUR COMMITMENTS

and expertise to assist territories in their adaptation planning). to climate change. We are committed to building a comprehensive offer of assistance for territories, from preliminary diagnosis to deployment of actions, building on our expertise and, if necessary, using a network of specialized partners, to carry through the solutions.

• Diagnosis and strategic advice to public stakeholders renewable energies, storage, networks). (advice, audit, consultation).

• Transformation of mobilities (decarbonization, public transport, resilient and optimized infrastructure, socioeconomics).

To date, setec has developed a wide range of skills • Urban and suburban restructuring (urbanization and

- Heat pockets (buildings, urban nature, energy, water). • Water management (risk prevention, treatment
- storage, protective structures).
- Management of ecosystems and natural environments (environment, biodiversity, nature-based solutions).
- Energy resources (energy efficiency of buildings,

• Resource management (sustainability/change of use, reemployability/recycling, bio-sourced substitute materials, access to local materials).



OUR ACTIONS FOR 2025

- achievement.
- infrastructure managers, using a systemic approach.
- Strengthen our existing expertise and develop their involvement in this "systemic" approach: natural hazards, socio-economic studies of transport, urban planning, transport infrastructure and intelligent transport systems.
- Develop new expertise in order to accompany the growing maturity of this new market.

Produce a manifesto detailing our ambition and the path to

Develop a strategic advisory service for local authorities and

Sustainable energies

WHAT IS AT STAKE

of renewable energies (hydraulic, wind, solar or biomass) to the preservation and replacement of nuclear power plants. It is clear that the use of renewable energies is subject to Today, we at **setec** have a wide range of expertise in environmental constraints and public acceptability, and that it raises the question of storage to overcome its lack current needs or to meet governments' commitments to decarbonize energy.

At **setec**, we do not oppose renewable and nuclear energy. We believe that, over the coming years, nuclear energy will remain the main decarbonized solution available to meet France's needs, in particular when accounting for the rise of electric mobility, and that • The deployment of renewable energies (waste to it will help to reduce the share of fossil fuels in the energy mix. Many stakeholders in the scientific and international community (IPCC¹, International Energy Agency...) also consider nuclear to be a key factor in the energy transition, essential to achieving carbon neutrality in 2050.

Of course, the nuclear industry involves risks that are • Capture and recycle CO₂. more effectively controlled as the industry is subject to constant scrutiny by an independent safety authority. • Smart grids, a transversal solution, embedded in Maintaining an exemplary safety throughout the territorial development.

In France, there is a tendency to oppose the development entire design process must be a constant engineering concern, as is the case for **setec**.

the energy field, particularly in:

- of continuity, and it remains far from insufficient to meet The nuclear industry, throughout the entire value chain (choice of sites through to design of structures, construction management, assistance in operation, support for dismantling operations, waste management).
 - Recovery of residual energy and "industrial ecology."
 - energy, hydroelectricity), with the idea of developing an energy mix and match that is relevant to the territories.
 - Production of renewable gases (biogas, syngas).
 - Infrastructure of heat/cold networks, gases.

OUR COMMITMENTS

Where energy is concerned, **setec** does not intend to our clients. From a systemic perspective, we wish to become an industrial process engineering company assemble solutions and technologies, as an integrator of (with technologies, patents) and has no wish to focus know-how and actors, as system designers and project on the fossil energy industry (coal, oil, natural gas). Our ambition is to become a multi-trade engineering reference in decarbonized energy, offering innovative order to establish **setec** as a major player in the energy solutions to help combat global warming.

For all renewable energies, we want to offer our services as a high value-added consulting partner to managers. We will thus strengthen both program & project management and energy system engineering in mix.



While the decarbonated energy sector is undergoing rapid change (new stakeholders business models and energies...) we intend to keep up with the needs of our market while being a force of proposition. That is why we have launched a "Decarbonized Energy Challenge" to co-develop our roadmap and its variation with our employees and external stakeholders. Convinced that access to energy must be associated with the highest level of environmental and societal requirements, we place the ethical issues at the heart of our projects, both in France and internationally.

Stéphane Bicocchi,

OUR ACTIONS FOR 2025

- evolution and its diversification, by focusing our efforts on the following sectors:
- nuclear
- off shore wind energy
- hydrogen (feasibility studies, use in the mobility/transport sector or the nuclear/hydrogen mix).
- Prepare guidelines to increase our understanding of systems and technologies (training, project methodologies, success factors) with a mixed energy logic.
- Develop our partnership policy, particularly in the R&D and new technologies sector.
- Develop multi-skilled engineering services of decarbonized energy (mixed energy at all levels of the production cycle).

General Director, setec Energy Environment

Produce a manifesto with our proposition on the whole energy mix, its

34 • ACHIEVING OUR DIGITAL TRANSITION



WHAT IS AT STAKE

Companies in the setec Group have a long tradition of twins), outsourced IT infrastructures (Cloud) and a innovation, each within its line of activity, and this has enabled us to develop our own software tools (structural, geotechnical, hydraulic...), some of which have even been commercialized.

More recently, our activities benefited from the arrival of new collaborative solutions (BIM, GIS, digital

large quantity of data and algorithms to process them. Our companies have embraced these solutions in a remarkable way, especially the BIM and GIS tools, which have been rapidly adopted. To date, the immense range of opportunities made possible by data science in our professions still requires an update in skills and crossfertilization of experiments.

Alexis Mariani. Director of Digital Engineering, setec Group

OUR COMMITMENTS

of digital technology, a technology that makes sense and adds value to our profession and our clients, while respecting the environment. To do this, our challenge is to prioritize and structure initiatives around the following principles, in line with our fundamental values.

• Digital tools must improve the performance of our services in order to consolidate the Group's expertise and excellence.

• New digital services dedicated to our clients must be consistent with the key transitions (ecological, energy, etc.) and our development priorities. They are intended

In this context, we want to seize the opportunities to highlight the central role of engineering in the analysis of data and its use in the life cycle of projects.

> • Digital technology must enable us to capitalize on the benefits of data information.

> • Digital must be an essential part of the "digital sobriety" component of the Engineers & Citizens program.

> • Cyber security must also be embedded in every project, when we design new systems or infrastructures. Safest IT security measures must be taken to protect confidential data that we handle on a daily basis.



OUR ACTIONS FOR 2025

- entire project lifecycle ("integrated vision for territories", "digital design and construction", "digital twins", "digital project management" offers). Each area will include a component for improving business performance through digital technology, and a component for developing new digital services, especially through data science.
- Lead the Group's digital transformation. Besides the technological dimension (data management, automation, artificial intelligence, etc.), this program will address the human aspects of digital transformation: talent and skills management, change management and internal communication.
- Reduce the environmental impact of digital technologies and encourage the adoption of moderate and virtuous attitudes towards these tools.
- Portray an innovative and state-of-the-art digital image, which is attractive to our clients and to young talents. To do this, we will build on the resources and experiences from among our teams and we will develop new materials and tools that will directly touch our priority targets.

Mutation of today's workplace with collaborative tools, Internet of Things, proliferation of the Cloud, AI, cybersecurity... The digital transition is everywhere. **setec** has a competitive edge: the diversity of our expertise and our highly decentralized organization generate multiple initiatives at the crossroad between digital and our technical disciplines.

Develop 4 areas of digital service for our activities and clients, covering the

4 NEW DIGITAL SERVICES

A PROGRAM DEDICATED TO THE DIGITAL TRANSFORMATION OF OUR ACTIVITIES

The Group's digital transformation will rely above all on its employees: it is through their skills, their commitment and their involvement in the new digital issues that the challenges of this transformation can be met. To achieve this, the program will address both the technological aspects and the human dimension of digital transformation:

Technology aspect

• Initiate a collective approach to datadriven transformation.

• Identify and develop the potential of artificial intelligence to enable us to free ourselves from low value-added tasks and create new services for our clients.

• Enhance our Group IT System.

Integrated vision for territories

Dedicated to municipalities and territorial stakeholders, this new service takes advantage of the huge capabilities brought by geographical information systems, and its systemic approach of territories, in particular in the early stages of decision making.

An associated internal service will also allow **setec** companies to manage, process more efficiently, and create more value out of the geographical data in order to enhance their own disciplines.

Digital design and construction

This service will release all the potential of BIM, in order to deliver to our clients, in addition to a physical project, a digital asset that is beneficial to the operation and maintenance process. New numerical tools and services will promote the reuse of material and components, or the development of digital manufacturing. Our ambition is to ramp up in skills and competences in order to design in full digital all of our building, infrastructure or urban projects, using collaborative tools (GIS, BIM, CIM, computer graphics, virtual and augmented reality, and digital tools for the supervision of construction sites...).

Digital project management

This service line targets both program and project management. Our ambition is to use systematically collaborative tools (Office 365, BIM or GIS web platforms, document management...) both for our client, and for our teams. We will enhance the digitalization of our services and project management processes, and offer new services of data management to our clients.

Digital twins

This new service is intended to offer digital platforms to operate digital twins for buildings, infrastructures, new or existing assets, land and natural environments, water cycle assessment, in support of the maintenance, the operation and the diagnosis of the assets.

The **setec** capture platform will host images, lidar and all sorts of visual data, to be processed and valued in the fields of diagnosis, inspection, monitoring and retro-engineering.





Human aspect

• Identify and develop the skills and talents needed to succeed in digital transformation, particularly in data science.

• Assist digital change throughout all of the company departments, in order to encourage a collective appropriation.

Accelerating Priority #3 and structuring our international development

WHAT IS AT STAKE

As early as 2013, **setec** made international development one of its priorities by creating an International Development Department. Since then, the proportion of the Group's turnover has risen from 11% in 2013 to almost 26% in 2020 (84 million euros), more than half of which is generated by our companies outside of France.

This significant international momentum has been driven by a succession of major export projects, but also by the development, creation and/or acquisition of companies outside France. The challenge is now to structure and to maintain this as a whole and to prioritize our international development around our local establishments.

In addition to our historic countries of establishment (Russia, Morocco, Tunisia, Egypt) and to emerging opportunities ready to be pursued, (United Kingdom, Canada, Germany, Greece, Switzerland), three priority regions were selected in 2017: Africa, South America and the Middle East. Our global strategy must enable us to develop these targets wisely, by promoting excellence, connecting the different entities of the Group and ensuring risk control.

To achieve these ambitions, **setec** can rely on a number of solid assets: excellent references in France and outside of France, in most of our specialties, a wide range of international partners, and a good visibility among investors.



Group's turnover realized internationally in 2020

of which 54% achieved by local companies



Why develop internationally? First of all to find large new infrastructure projects, which become less abundant in France nowadays, with it being so well-equipped... But also for the human adventure that comes with meeting people, exchanging ideas and learning from international projects. We have the ambition to achieve projects that contribute to the well-being of the local population, while sharing our knowledge and our values with local teams. Our aim is to work internationally with a multi-local approach, i.e., by exchanging skills, ideas and know-how while having solid-rooted teams that are fully connected to the issues of their respective areas. To achieve this we will rely on an efficient and a trusting work relationship between setec teams. Local companies will work with as much autonomy as possible, with support and expertise of other companies in the Group, as required by large or challenging projects. Mutual trust is the key to our success!

Felipe Starling, Director of International Development, setec Group



OUR TARGETS

- Strenghten our target regions Africa, Middle East, Latin America, Europe and develop Canada.

Our focus on the international market

Although our international aspirations are ambitious, our main concern is to structure this development on projects that correspond to our company values by keeping in line with the requirements we ourselves set for excellence.

OUR COMMITMENTS

• Be inspired by the setec model of federating • Work with major French clients who are developing

• Rely upon local skills and enhance them through crossstrategy to local context and needs.

• Contribute to major international projects, particularly • Enhance our offshore production centers that combine • Put our international development at the heart of our need of our clients within the construction and industrial

• Develop international PMO services.

and European financing.

• Seize opportunities (partnerships, specific expertise

WHAT WE DO NOT WISH TO DO

- Undertake projects that are contrary to **setec**'s values. Expose **setec** to uninsurable financial and legal risks.
- Expose our employees in risky areas.
- Expose **setec** to political or corruption risks.

• Grow at all cost, losing track of the Group's values, the pursuit of excellence or the pursuit of sustainable profitability.

LEADING THE WAY TO AN INTERNATIONAL OPPORTUNITY

The diverse expertise of our employees is essential to achieving our international ambitions. In addition to promoting interaction of talents between companies in all countries (see p.46), we firmly believe in promoting all international career opportunities, attract and train talents with a strong international fiber, through several initiatives:

• Offering Campus conferences/courses dedicated to international projects (training in international project management, information on the Group's international strategy and mobility policy).

• Include into the recruitment process the profiles necessary for our development: senior project managers • Communicating more on our international activities (ongoing and future projects, work opportunities, and technical specialists looking for an international feedback from colleagues and testimonials from local experience, endowed with the appropriate skills companies...) through all of the Group's media. (languages...) and attracted by the geographical areas targeted by **setec**.



• Communicating outside of **setec**, to make the international dimension one of **setec**'s attractiveness.

• Developing international project opportunities for young professionals (mobility, hosting young international students in France...) in order to build strong international profiles and to form Group ambassadors of all nationalities. These vocations will be rewarded by promoting careers with an international dimension, with a balanced mobility policy in line with the economic reality of our markets.

42 • CULTIVATING OUR TALENTS



WHAT IS AT STAKE

The quality of the women and men that make up **setec** is its main asset. Cultivating our talents is therefore essential in achieving excellence in 2025 and to be able to tackle the increasingly rapid and complex transitions that are impacting our business. This means broadening the spectrum of our skills, encouraging an innovative, entrepreneurial and agile mind, while pushing higher our goals of technical and project management expertise.

OUR COMMITMENTS

We are committed to adapting our training system We continue to nurture our employees by offering (particularly within the **setec** Campus), diversifying our profiles and participating in the feminization of engineering professions to meet the growing demand at the forefront of environmental and digital subjects, both in France and internationally.

We also want to emphasize the meaning and importance of teamwork and the pleasure we find in conducting our projects. This is reflected in the intelligence, purpose and virtuosity of our projects, the opportunity they offer to excel, to progress collectively and to learn continuously.

them an excellent technical and managerial working environment, which offers flexibility for a shared and mutual benefit. A stimulating work environment that creates the right conditions for commitment, innovation, entrepreneurship and takes into account the necessary balance between work and personal life.

All of these commitments constitute **setec**'s promise to the current and future employees, but also to our clients and partners, because it is the guarantee that they will always find the talents that they are looking for at **setec**.





Learning, acting, growing: this is the commitment made by the **setec** Group vis-a-vis its employees. It guides all of the actions we undertake with the HR department. Common goals and objectives: attracting new talent, participating in the development of our expertise and our skills by promoting development of our employees, in France as well as internationally. Living the **setec** experience is living a human experience and of course citizen above all!

Biliana Kostic. Human Relations Director, **setec** Group

OUR ACTIONS

- universities via long-term partnerships, in order to attract the talents of tomorrow.
- a wide range of profiles, experience and nationalities in our
- employees, in terms of technical, managerial and quality of life at work.
- Promote the rise in skills of our employees throughout their professional career (Campus setec...).
- Communicate over and take advantage of the skills found in our companies throughout the world, for cross-fertilization of competences.
- Promote innovation and creativity within the group through structured initiatives (setecLabs...).

Diversify and strengthen our relationships with schools and

Turn our diversity into a source of common wealth, by encouraging

Recruitment and diversity

Since the beginning, the **setec** model of excellence has been based on the quality of recruitment and mentoring of young talents, offering them a high-level scientific and technical environment, local expertise, stimulating projects, autonomy and the possibility to coach the next emerging generation. This successful model must be maintained and adapted to new challenges. As a responsible employer, equal opportunities and possibilities are not an option for **setec** and we must take this into account in our HR policy, while paying special attention to inclusion and to candidates and employees with disabilities.

STRENGTHEN OUR RELATIONS WITH SCHOOLS AND UNIVERSITIES

field of our historical expertise. It is more difficult this by building partnerships that allow us to maintain a in disciplines where **setec** is not as well known: the regular and solid presence with students, and by backing develop a more consistent relationship with schools and

MAKING OUR DIVERSITY AN ASSET

At setec, we believe that diversity is an asset in Equality Charter in 2021, setec has committed, along many ways. The diversity of skills, profiles and knowhow enables us to meet new needs, the diversity of nationalities challenges our technical culture and eases our international expansion, and the diversity of backgrounds enriches our views.

Some subjects, such as gender equality, go beyond the notion of equal treatment. As a signatory of the Gender

with the entire profession, to promote its activities independently of gender, starting in high school, in order to fight the preconceived idea that engineering is a profession reserved only for men. We are also committed to promoting women's access to senior positions.



Offering a motivating environment for our colleagues

Here at **setec**, we want to create a high-standards technical and managerial working environment for our employees, which offers flexibility, rewards commitment, innovation and entrepreneurship and where everyone finds his place.

In light of this ambition, our model of human-sized companies, which offers technical and managerial proximity, and few hierarchical levels, makes perfect sense. In addition, we are committed to structuring and perpetuating mentoring, which is already widely adopted within the company.

Moreover, other aspects are emerging and require an evolution of the "setec experience." The introduction of remote-working, which offers employees the flexibility with the organization of their professional and personal

life and reduces commuting, must be organized to benefit both parties, so as to maintain the exchanges, the crossfertilization of ideas and the companionship that is required in teamwork and attendance. We also intend to reflect on the physical organization of offices in each company, as close to our needs and practices as possible.

Finally, we want to be more attentive to the concerns and expectations of our young employees. To carry this through, we will thus set up a Young Professionals Council, with one representative per company, which will have the opportunity to discuss the issues of the Group and the profession, starting with the "Transitions 2025" vision. This council will share its findings with the Group on a regular basis.



Cross-fertilizing our skills and competence

Throughout all our locations whether in France or internationally, strengthening and expanding skills is a key success factor for the strategic development of each company. In this respect, **setec** undertakes to assist:

• the development of exchange channels to enable direct contact between teams and to emerge global technical networks.

o one-off or on-going training, staff exchanges, crosstraining, management/team coaching, quality and compliance monitoring of services rendered, and any other form of cooperation.

• international accessibility to the Group's technical training, and other transversal activities.

• language training, including french as a foreign language to allow fluidity and quality of exchanges.

Encouraging the development of skills

setec's promise to its employees is to guide them Through our in-house university, the **setec** throughout their professional career, to enable Campus, we offer tailor-made training courses them to adapt their talents to the evolutions of to promote cross-disciplinary skills, ease the technologies, the challenges encountered in exchange of ideas between companies and open projects and to anticipate the subjects of the up to new horizons. These training courses future. While the development of employees' are designed with the help of companies and skills is primarily helped by the presence of complement the training actions they carry out individually. experts within the companies, we now see that the range of skills of our young recruits must expand as they progress.

The Campus is built around four "Colleges":

- Technical expertise and project management, which brings together crosssectional training (railway, nuclear, etc.) and project management training.
- Engineers & Citizens, which includes educational and training program to increase the skills and knowledge of all Group's employees on environmental and Corporate Social Responsibility (CSR) issues.
- Managerial leadership and personal efficiency, which supports the development in managerial skills of our managers in addition to their technical skills. The "personal efficiency" section is addressed to everyone and deals with the changes that can appear in work organization (remote-working, etc.).
- Campus 360°, which proposes a series of conferences designed to broaden the horizons of employees and increase the visibility of internal opportunities within setec. Some conferences of general interest are open to external

The Campus is accessible to all employees of **setec**, anywhere in the world. Our ambition is to increase access to companies based outside of France, for example through conferences in English or the availability of simultaneous translation.



Promoting innovation

Being "free to venture" is part of our values, and it means that we leave a lot of place for initiative, first and foremost in our companies and as close as possible to our clients' needs. In order to give innovation its rightful place and to structure our methods, we set up **setec**Labs at Group level. Since 2013, this system has complemented the R&D activities carried out in the subsidiaries to enable setec to be continuously on the lookout for promising innovation ecosystems, to acculturate our employees to break-through innovations and to encourage entrepreneurship.



Innovation is a buzzword. With the **setec**Labs, we wanted to understand what it meant for **setec**, and to find our place in a rapidly expanding ecosystem. It is a well-thought approach that has gradually built over time. The employee roadmap of **setec**Labs is to be the ears and eyes for the Group, to identify projects and methods that are changing the world of tomorrow, and to embed them into our professions.

Aurélie Guillon,

ENTREPRENEURSHIP AT THE HEART OF **SETEC**LABS

universities, schools, laboratories, research programs...: of buildings, setecLabs have already made several working groups identify the most promising parties and investments in promising start-ups or businesses, both



More than 300

employees involved since the creation of **setec**Labs



Innovation Coordinator, setec Group

And finally: an invitation to join us in this adventure

"Transitions 2025" gives the general guidelines rather the backbone, a guide for the companies for the development of **setec** for the coming to develop their own strategy in line with years.

the Group may seize the major transitions underway: ecological, climatic, energy, digital and international development.

rising generations can equip themselves with the skills and means to meet these challenges head on.

on the progress of the companies and is inspired by a shared vision of the issues affecting our society, and the role engineering profession - as we see it - must have.

forced on each of the **setec** companies. It is this adventure with us.

the Group's approach. It also sets out a basis to enable a smooth cooperation between It defines the directions to be taken so that our companies in order to jointly tackle the challenges.

Finally, Transitions 2025 is not meant to set in stone all actions to be taken between now and It includes a talent development plan so that 2025. An indicator of the success of this plan will be our ability to adapt it to benefit from feedbacks of our clients and partners.

I invite each and every one of **setec**'s employees This is our Group's strategic plan. It is founded to seize with determination and enthusiasm these opportunities offered by the considerable challenges we face today.

I invite our clients as well as our partners to It is not intended to become a rigid structure support and encourage us forward and to share

> Michel Kahan President of **setec**



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