The good day for harmonious progress
It is our responsibility to conduct the second wave of the zero carbon transition by 2050. We are therefore in the midst of an unprecedented revolution for our planet. The extent and rapidity of the task to be accomplished will involve changes in society and the economy, in transport, housing and business, in our relationship to land and the city, as well as significant technological innovations. Energy decarbonisation is central to these changes but it is not the only factor.

At ENGIE, we believe that human ingenuity is up to the challenge. The zero carbon transition will succeed by being inclusive, collaborative and open. Every day we meet with activists, scientists, innovators and entrepreneurs, large and small, who want to implement the zero carbon transition. We want to make these men and women known. We want to unite and consolidate the community of change and involve as many people as possible in this transformation.

Collectively, we have the means to make this transition a cohesive factor between generations, reinforcing local solidarity, development and prosperity.

The good day will bring together zero carbon pioneers, a place for practical, actionable solutions. A day of inspiration, sharing and commitment, making harmonious progress together.

The good day

A day for making connections and accelerating the zero carbon transition.

A meeting place for everyone involved in building a sustainable planet.

An event for getting involved and becoming part of the solution.

By bringing together over 1,000 committed stakeholders from the business world and civil society, we are pooling all our ideas and energies!
The good inspiration

A platform for discussion based on examples illustrating harmonious progress. Key observers, activists, entrepreneurs and decision makers will share their views on the world under construction as well as their human and social expertise.

We will focus on the challenges through intergenerational dialogue and the issue of simplicity. We will look at the link between cities and territories and how it can be transformed into an alliance rather than a fracture? Lastly, we will explore how economic value can be reconciled with social impact.

Our key observers have travelled the world, are from different cultures and have different training. The diversity of their points of views shared at The good day will give you a 360-degree world tour. You will leave inspired, ready to contribute to change.

The good journey

The zero carbon transition has begun and The Good Journey is the proof. Not only is The Good Journey a forum, but it is also a market. There you will discover real life solutions based on proven business models which can be replicated. We have designed an immersive experience based on the offers provided by the Group and our friends and partners in the transition, and focusing on four areas: Home, Buildings & Industries, Cities, Territories.
The good galaxy

What if public interest was everybody's business?
Let's promote positive impact initiatives

The Good Galaxy gathers citizens of the world who, like ENGIE, are contributing to the common good.

These agents of change are taking side roads. They try, innovate, involve others and they are from different backgrounds: NGOs, associations, start-ups, foundations. What their initiatives have in common is they have a positive impact on the world and can be replicated to scale.

Through their commitment and strength of conviction, they play a role in the zero carbon transition and more generally in increasing public interest in many areas. The Good Galaxy presents innovative ideas and projects on key themes, such as education, entrepreneurship, respect for nature, access to energy, the place of women, professional integration, mobilisation through sport, among others. These are all topics raised as a result of the 17 United Nations Sustainable Development Goals and which are essential for building an inclusive and committed world and contributing together to more harmonious progress.

Bridges are already forming between these initiatives that extend their influence and accelerate change. In an interconnected world, we believe in the power of collective intelligence, the product of meetings between diverse and complementary actors within a collaborative ecosystem.

Take part in this social, societal and sustainable innovations hub to discover initiatives with a positive impact and become agents of change by helping to spread them.
The good inspiration
THE GOOD INSPIRATION,
THE PROGRAM

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OUR MC FOR THE DAY

Throughout the day, Shivvy Jervis, British, will act as our MC. Voted one of Europe’s most trailblazing women in digital, Shivvy Jervis is a multi-award winning Futurist, Innovation Strategist and broadcaster.

OPENING PLENARY

An intergenerational dialogue between Vandana Shiva and Ashton Cofer.

When youth is strongly challenging the inaction of its rulers and economic actors, and where it takes hold of the climatic subject all over the world, this dialogue between a young person and a personality who had to fight against inaction, anchors ENGIE in a realistic, concrete and ultra-contemporary dynamic.

For about an hour, Vandana Shiva and Ashton Cofer will share their experiences, talk about values, their vision of the world and leadership. They will discuss what brings them together and what sometimes separates them also...

Vandana Shiva, an Indian scholar, environmental activist, food sovereignty advocate, and alter-globalization author. She is one of the leaders and board members of the International Forum on Globalization (along with Jerry Mander, Edward Goldsmith, Ralph Nader, Jeremy Rifkin). She received the Right Livelihood Award in 1993, an honor known as an “Alternative Nobel Prize”. Central to Vandana’s work is the idea of seed freedom, or the rejection of corporate patents on seeds.

Ashton Cofer is a 17-year-old high school American. He and his FIRST Robotics team won the Google Science Fair for developing a process to convert Styrofoam waste into activated carbon for purifying water. After the initial process failed, he was asked by adults why try again, he answered “because we’re kids precisely!”
THREE INSPIRING BREAKOUT SESSIONS

These sessions will showcase thinkers and doers, external guests and ENGIE speakers.

PANEL DISCUSSION # 1: REINVENTING SOCIETY: LESS IS THE NEW MORE?

Any crisis can paradoxically take on both the notion of danger and opportunity. By fighting against climate change and environmental damage, including the zero emission goal, we must upset the established systems and completely rethink our ways of doing things. Why not consider this an opportunity to create a new model of society?

The design of more equitable solutions, affecting all areas of our lives, offers the opportunity to reinvent ourselves collectively.

MODERATOR

Shivvy Jervis
Futurist of innovation and technology

PANELIST

Steve Howard
Co-Chair, We Mean Business Coalition
Former Chief Sustainability Officer (CSO) at IKEA Group

PANELIST

Hélène de Vestele
Founder of EDENI, a start-up that offers training and immersive experiences to shed light on the issues of ecological transition and zero waste

PANELIST - ENGIE

Carly Wishart
Head of Strategy & Business Development, ENGIE Asia Pacific
PANEL DISCUSSION # 2:
CITIES AND TERRITORIES: THE NEW UTOPIA?

The city is at the heart of major energy, social and digital upheavals and is a driving force for possible transformations. However, it is often pointed out as being at the origin of many issues: mobility, pollution, social inequalities, waste, unbalanced territorial dynamics ...

How can it evolve towards a model of virtuous city which gives all its place to the human and respects the environment? How can we develop local solutions, better adapted to each territory and each individual?

MODERATOR
Michael Webber
Chief Science & Technology Officer, ENGIE

PANELIST
Alejandro Aravena
Architect and Pritzker Prize winner

PANELIST
Nicolas Hazard
Chair of the Strategic Council of Paris
Founder and President of Inco

PANELIST
Laurence Tubiana
CEO of the European Climate Foundation (ECF)
Chair of the Board of Governors at the French Development Agency (AFD)
PANEL DISCUSSION # 3:
BUSINESS FOR SOCIETY: TO BE (GOOD) OR NOT TO BE

The company is today a key player in the future of societies, at the heart of our ability to innovate. But the “business” culture, based on innovation and perpetual novelty, with the sole aim of profit is not necessarily at the service of the general interest. How do we go from a race for innovation to a collective march towards progress? And what if progress was precisely a search for “better” rather than “more”? In the face of current challenges, it is essential to combine the objectives and needs of companies with those of the social body.

The ingenuity of businesses and entrepreneurs can bring sustainable, inclusive and frugal solutions to serve the common good. But what are the levers of this positive acceleration?

MODERATOR
Shivvy Jervis
Futurist of innovation and technology

PANELIST
Rhéa Singhal
Founder and Chair of Ecoware
Young leaders of Davos

PANELIST
Bertrand Piccard
Explorer, Chairman of the Solar Impulse Foundation

PANELIST
Jean-Pierre Clamadieu
Chairman of the Board, ENGIE

KEYNOTE BY STEVEN PINKER
Steven Pinker, a Canadian-American cognitive psychologist, Johnstone Family Professor in the Department of Psychology at Harvard University, will share with us his vision of optimism, based on his best-sellers “The better angels of our nature” and “Enlightenment now”.

9
CLOSING SESSION

A shared vision and conversation between:

- **Isabelle Kocher**, CEO, ENGIE
- **Christophe Galfard**, French physician, co-author of “George's secret key to the universe” with Stephen Hawking
- **Parker Liautaud**, American PhD student and explorer who has been actively working on climate issues since the age of 14
- **Steven Pinker**, psychologist and professor
The good journey
4 areas within
The good journey

SHARED AUTONOMY

What better way to show the relationship between energy and the home than by using the word “fireplace”? The home used to be the “place of the fire”, where the family would come together to warm itself and prepare the meal. Today, of course, the meaning of the term “fire” is somewhat different. It is a little more sophisticated! It implies both heating and recharging smartphones. So if the home is the source of our everyday energy, it is normal that it is affected by the zero carbon transition.

Not everyone’s basic energy needs are met around the world. Fuel poverty threatens the quality of life of many homes. And in developing countries, access to energy is still not a reality for some communities.

The challenge is immense: providing for basic needs, controlling costs, satisfying new uses and improving the quality of life while achieving zero carbon.

Carrying out this task for each home and taking into account their unique qualities is very fine work that can be achieved only with a wide variety of approaches, technologies, uses, financing, etc. In particular, the tools available give consumer-citizens the means to easily improve themselves, here and now, their quality of everyday life, not in parallel with the transition but through the transition.

Details of the solutions presented: see annexe
FROM HIGH-PERFORMANCE BUILDINGS TO A VIRTUOUS ECOSYSTEM

For a long time, the company building was the symbol of the anonymization of people in the economic system. Whether an office worker or labourer, workers were asked to go to the building at set times to carry out a defined task coordinated with that of their colleagues. This economic-purpose building is therefore for a special, unique use that is restricted to a time slot.

The demands of a knowledge-based economy and workers' aspirations for a more fulfilling working life are gradually leading us to believe that the company building is a place conducive to the expression of inventiveness and individual singularities. There are several workspaces, offering more space for creativity, informal time and letting life and the outside world inside.

These interfaces, which are now complex between the economic world and its geographical environment, offer opportunities for optimising energy uses and flows. Companies are also more permeable to the environmental requirements of the world, through their customers, their employees and their shareholders, who want more action for the climate.

A growing number of companies want to take control of their zero carbon transition and show it as proof of their commitment and resilience to economic and climate risks. Managing a green and optimised energy system, however, distances them from their core business. That is why it is up to others, starting with the energy companies, to propose solutions.

Details of the solutions presented: see annexe
THE PROGRAM
OF PITCHES AND ROUNDTABLES
HOME – BUILDINGS & INDUSTRIES

11:00-11:20  PPA’s (Power Purchase Agreements)
Long term energy contracts guaranteed 100% green
Speaker 1: Bertrand Charmaison - Director, Green Power for Corporates, ENGIE Global Energy Management (GEM)
Speaker 2: Katrin Fuhrmann - Leader Carbon Trading and Origination, ENGIE Global Energy Management (GEM)

11:25-12:05  From efficient buildings to virtuous ecosystems (roundtable with BMW, DMS, Michelin)
From efficient buildings to virtuous ecosystems
Speaker 1: Pascal Mueller - Head of Asset Development, EWZ
Speaker 2: Dominique Cordaillat - Worldwide Purchasing Vice President Of Industrial Purchases, Michelin
Speaker 3: Vincent Salimon - CEO, BMW France

12:15-12:35  Energy Efficiency Program, Sanofi
How to significantly reduce the carbon footprint on industrial production sites?
Speaker 1: Jacques Bourgon - Head of Engineering, Sanofi Global Industrial Affairs

12:40-13:00  Tiko
When digital intelligence allows consumers to become eco-actors
Speaker 1: Frédéric Gastado - CEO, Tiko Energy Solutions

13:05-13:25  The Monitored ENGIE Home Services Boiler
The connected boiler
Speaker 1: Arnaud Jamin - Deputy Chief Procurement Officer, ENGIE Home Services
Speaker 2: Camille Mainguenaud - Eideris Product Manager, ENGIE Home Services

13:30-13:50  Mobile Operator
A mobile app to optimise building management
Speaker 1: Alexandra Boucher - Head of Digital Platform Mobile Operator, ENGIE Digital

13:55-14:15  Bioscyance
Marine biomolecules for a 100% natural water treatment solution
Speaker 1: Marianne Gallardo - Project Leader, Intrapreneure, ENGIE Biotechnology and Green Chemistry

14:20-14:40  E-care
Internet of Things (IoT) for a greener home management
Speaker 1: Amaury Lamarche - Chief Platform Officer, ENGIE Digital
Speaker 2: Steve Djob - Business Developper and Product Partnership, ENGIE Digital

14:45-15:05  Eco-efficiency for all in cities with less than 10,000 inhabitants
Supporting consumers towards energy performance
Speaker 1: Fabien Mediamolle - Sales Manager, Ile-de-France Region, ENGIE

15:10-15:30  TEO
Giving citizens the power to choose their green energy
Speaker 1: Marion Rudell - Business Developper, TEO
Speaker 2: Nicolas Leriche - Cofounder, TEO

15:35-15:55  Power-to-Methanol project
Greening industrial gas
Speaker 1: Philip Pouillie - COO Generation Cluster Gas North, ENGIE
Cities are the ideal place for the meeting of flows, ideas and people. They offer their residents a variety of jobs, services and amenities that attract a growing share of the world population every year.

And yet the city can also be a deterrent when it confines and adapts spaces, when it allocates vulnerable sectors of society, and when it spreads out over natural spaces without creating quality of life.

To many, the optimisation of all urban flows thanks to digital tools appears the most obvious and natural solution to these problems. Can the city, however, continue to be the effervescent centre it should be if everything is calculated?

In particular, while the city is growing mainly in emerging countries, is it realistic to think that the large-scale deployment of digital control tools is possible and sufficient given the limited time we have?

The city must at least be smart, with all the affordable digital tools. This must of course be considered. What do those considering the zero carbon city have to teach us?

Le détail des solutions présentées : voir annexe
CONNECTING AND LINKING A TERRITORY, JOINING POPULATIONS AND MAKING THEM THRIVE

As distances increase and networks become scarcer, energy use becomes even more important. Life in non-urban territories is largely dependent on the availability of energy. You could even say that the territories were outlined as they are because of the abundance of energy sources. Meaning that the zero carbon transition could upset the lives of those concerned.

The zero carbon transition must involve everyone to help bridge the environmental divide. Injustices would undermine the support for transition in society and in the ballot box. Finding the appropriate solutions for territories requires even more inventiveness and attention than elsewhere. That is why the conviction shared by agents of change is that far from being an obstacle to prosperity, transition prepares future prosperity.

Le détail des solutions présentées : voir annexe
THE PROGRAM OF PITCHS AND ROUNDTABLES
CITIES - TERRITORIES

11:00-11:20 Predity
When an energy performance management platform reinvents customer relationships
Speaker 1: Yann Marvin - Deputy COO, Director for Operational Digital Transformation & Delivery, ENGIE Cofely

11:25-11:45 The Energy of the Jungle: San Martin off grid
Green energy for all to the heart of the jungle
Speaker 1: Nicky Vanlommel - CEO ENGIE Services Peru

11:50-12:30 The « Palais du Commerce » of Rennes: project Renaissance by Aire nouvelle
Contributing to the rebirth of a city center?
Speaker 1: Marc Daumas - CEO, Aire Nouvelle
Speaker 2: Pascal Allancéon - CEO, Citizens Eric Alldi - CEO, Upcyclea

12:40-13:00 The transition of Compiègne’s heat network toward renewable energy: biomass
How can a city make its heat network greener?
Speaker 1: Philippe Marini - Mayor of Compiègne
Speaker 2: Aurélie Leherecy - Managing Director, ENGIE Networks for Large Territories

13:05-13:25 Semakau
When an island becomes the laboratory for microgrids
Speaker 1: Antoine Ballereau - Smart Grid program Manager, ENGIE Lab Singapore

13:30-13:50 EPS-Pacific Island
When isolated territories gain 100% green autonomy
Speaker 1: Vincent Meeuwis - Chief Procurement Officer, BU ENGIE FRANCE Réseaux
Speaker 2: Alexandre Mainguenaud - Business Development Manager, ENGIE Eps

13:55-14:15 Queen Elizabeth Park
A successful eco-district model in London
Speaker 1: Mark Raymond - London Regional Director, Urban Energy, ENGIE UK & Ireland

14:20-14:40 The City of Ottawa
A long term energy partnership serving a zero carbon vision
Speaker 1: Olivier Racle - Business Development, Heating and Cooling, ENGIE

14:45-15:05 Boucle d’eau chaude (Clichy Batignolles Geothermal System)
District heating: when cooperation and innovation boost an entire eco-district in Paris
Speaker 1: Bruno Vinatier - Strategy and Innovation Officer - CPCU 6 BU ENGIE France Réseaux

15:10-15:50 Will islands ever be able to access a competitive zero carbon transition?
Distributed Energy Resource Management (DERMS) (roundtable with Connected Energy, Kiwi Power, ENGIE EPS)
The three factors for an autonomous territory in sustainable energy
Speaker 1: Mark Bailey - Connected Energy
Speaker 2: Nina Tabatabai - Kiwi Power
Speaker 3: Giovanni Ravina - ENGIE EPS
The good galaxy
7 pillars for The good galaxy

ORGANIC

Nature in all its forms is at the heart of climate issues. Fragile and threatened, it is also an infinite source of inspiration, oxygen and positive transformation.

THE GOOD GALAXY WELCOMES:

■ **Biomim’Expo:** Biomim’expo is the first biomimicry showroom and exhibition. It is a major annual gathering of Biomimicry stakeholders and actors, who are inspired by nature as they innovate and create the conditions for a new, environmentally-friendly development model.

■ **Fleurs d’ici:** Fleurs d’ici is the first platform selling local and seasonal flowers from nearby floral farms, which allows users to subscribe and receive garden flowers at home. Fleurs d’ici is committed to protecting jobs and the environment.

■ **Les 2 Vaches:** Les 2 Vaches are dairy products from the Danone brand. But they are also joyful advocates of a more organic world and more environmentally-friendly agriculture. Les 2 Vaches have taken on the role of spokesperson for organic products, thus complementing all the initiatives launched by other market players.

■ **Ecocéan:** Ecocéan has developed unique expertise in Post-Larval Capture and Culture, which supports the sustainable use of the marine resource and the conservation of marine ecosystem biodiversity. Today, Ecocéan is the world leader in Post-Larval Capture & Culture technology.

■ **Melhores Dias:** Melhores Dias is a not-for-profit Brazilian organization that has been working since 1993 to strengthen communities through partnerships and programs that improve quality of life for adults and children.

■ **Les Belles Envies:** Les Belles Envies means making pastries, chocolates, biscuits and high-quality grocery products accessible to all without affecting the body’s sugar levels. These gourmet treats are also suitable for the restricted diet of athletes or people with type 1 or type 2 diabetes.
ENERGY ACCESS

Putting an end to disparities to meet the UN’s 7th Sustainable Development Goal: to ensure access for all to reliable, clean, sustainable and affordable energy and energy services.

THE GOOD GALAXY WELCOMES:

■ ENGIE Rassembleurs d’Énergies: ENGIE Rassembleurs d’Énergies is a social investment company that provides technical and financial support to the projects of social entrepreneurs’ by facilitating access to sustainable energy for vulnerable populations worldwide.

■ Energy Assistance: Energy Assistance is a Belgian humanitarian association created in 2001 by ENGIE employees. It offers its expertise and technical resources to humanitarian projects serving populations who have no access - or very limited access - to essential energy services. It operates on a global scale.

■ La Fresque du Climat: La Fresque du Climat is an association that offers group workshops to raise awareness of the challenges of global warming and to help participants act to combat it. The organisation uses its collective intelligence to serve both experts and novices on the topic of environmental challenges.

■ PowerZee: Developed by ENGIE Lab Singapore, PowerZee raises awareness and encourages the students and employees of a campus to play an active role in reducing their environmental footprint. The application encourages its users to reduce their energy consumption through small interactive missions.

■ Barefoot College: Barefoot College works to improve quality of life in rural areas by providing access to clean water, renewable energy, education and health. Today, the NGO trains illiterate village residents to become solar energy engineers in just six months in India, Africa and South America.

■ Carbone à ras!: Carbone à ras! is a fun tool developed by Avenir Climatique to quickly visualise your personal carbon footprint. The interface makes it possible to understand the impact of our everyday habits and to identify those on which we should focus our efforts.
EDUCATION

Raising awareness from an early age, giving to all the means to access knowledge, engaging the citizens of tomorrow... Three essential levers to help change lifestyles and instill “the planet reflex”.

THE GOOD GALAXY WELCOMES:

- **Startup for kids:** Startup For Kids offers free events for young people, their families and education professionals. This association raises awareness among young people about future issues such as sustainable cities through creative and educational workshops. Over 4 years, 12,500 children and young people have been supported.

- **J’apprends l’énergie:** J’apprends l’Énergie is a free digital educational resource launched by ENGIE in 2013. The site provides teachers and students with fun tools to discover energy and sustainable development. It now has 350 ambassadors, who are employees of the ENGIE Group.

- **PROGRAM ultramarins:** Since 2011, the ENGIE Group has offered a work-study training PROGRAM for young overseas territory residents from Polynesia, New Caledonia, La Réunion and Guyana to enable them to study in continental France for diplomas not offered in their territories and to simultaneously acquire professional experience in companies which are well-recognised in the sector such as Cofely, Ineo, Axima, GRDF, ENGIE Réseaux, CPCU and Climespace.

- **Museu do Amanhã:** An iconic new symbol of the modernization of Rio de Janeiro’s port, the Museum of Tomorrow is a science museum designed to let visitors explore, imagine and design all the possibilities for building the future. The museum features an "Exploration Laboratory of Tomorrow", an auditorium and 5,000 m2 of permanent and temporary exhibitions.
ENTREPRENEURSHIP

Finding solutions to move towards zero carbon implies giving everyone the means and the freedom to undertake, with its corollary, the right to fail.

THE GOOD GALAXY WELCOMES:

■ **My Wind Parts**: Mywindparts is a supplier and distribution manager specialising in wind turbine spare parts. In order to optimise the performance of its customers’ machines, Mywindparts can both repair parts and give spare parts a second life.

■ **Little Miss Sunshine**: Winners of the 2017 College Prize at the Science Factor contest, three college students developed Little Miss Sunshine with the support of ENGIE Ineo. This innovative system transforms pedestrian crossings by illuminating them with LEDs powered by solar panels.

■ **Les Déterminés**: Les Déterminés is an association that promotes the development of entrepreneurship in suburban and rural areas. The volunteers support young people from disadvantaged neighbourhoods in the fields of citizenship, education, mediation, professional skills and culture.

■ **Makagency**: Makagency is a digital innovation agency. It supports web and online app projects. Convinced of the potential IoT presents in the realms of environmental, economic and social innovation, Makagency puts its expertise to work to support digital projects with a strong social or environmental impact.
**GENDER EQUALITY**

Both more vulnerable and more engaged in the face of climate change, women will play a crucial role in the solutions to be implemented.

**THE GOOD GALAXY WELCOMES:**

- **E-mma**: E-mma is an association of the Epitech School that promotes diversity in the digital field. The association encourages women to venture into areas which they may have been discouraged from exploring by their education and culture, and invites men to join them so they can work together.

- **Fondation des Femmes supported by the ENGIE Foundation**: The Fondation des Femmes fights violence against women and promotes gender equality by providing financial, legal and material support. It also offers tailor-made awareness-raising modules on the theme of gender equality.

- **AWARE supported by the ENGIE Foundation**: AWARE is a non-profit organisation which aims to change the perception of climate issues and to enable women artists around the world to express themselves through works of art.

- **Isahit**: Isahit is an innovative, socially responsible smart platform that connects socio-economically disadvantaged workers from African countries with French companies seeking to outsource some of their digital tasks.

- **Laboratoria**: Laboratoria is a start-up that gives thousands of Latin American women access to quality education and technology careers. Thanks to their Bootcamp, women can access transformational jobs in technology.

- **50inTech**: 50% women in Tech by 2050, this is the equality target that "50inTech" has set itself. This collaborative and inclusive platform brings together all tech players who share a common goal: to focus on equality issues and work to change things.

- **ENGIE Foundation**: The ENGIE Foundation is committed to helping struggling children and young people and supporting access to energy and biodiversity. It aids projects led by women, invests in emergency aid and offers its support to refugees through more than 1,000 projects in 25 different countries.

- **WOMAN**: WOMAN is a non-profit film supported by NGOs around the world and the ENGIE Foundation, directed by Anastasia Mikova and Yann Arthus-Bertrand. The film allows us to see the world through the eyes of a woman. The project sponsors conducted more than 2,000 interviews across 50 countries.
INTEGRATION

Because the impact of climate change is more important on vulnerable populations, the fight for social inclusion is inseparable from the mobilization for a zero carbon world.

THE GOOD GALAXY WELCOMES:

- **Paris Good Fashion**: Paris Good Fashion is a Parisian initiative which aims to establish a more responsible fashion industry by 2024. The goal is to create and lead an open community that brings together leading brands, entrepreneurs, designers, experts and citizens to address the challenges of unsold stock and the circular economy.

- **Cuisine mode d’emploi(s)**: Cuisine Mode d’Emploi(s) is a school supported by Thierry Marx, which offers free culinary training. It promotes professional integration for people who are incarcerated, experiencing vulnerable circumstances or unemployed. 90% of students found a job at the end of the course.

- **Techfuguees**: Techfuguees is a non-profit organisation that connects technology companies with refugees. Based in London, the organisation works around the world to build bridges between the tech community and refugees. In three years, 18,000 people have gotten involved.

- **Meet My Mama**: Meet My Mama is a start-up that highlights the culinary talents of immigrant women and introduces customers to authentic, homemade local cuisine. Focused on the challenges of sustainable development and respecting the planet, this catering service has already supported over 70 “Mamas”.

- **Fondation Agir Pour l’Emploi (FAPE)**: Since 1995, the Fondation Agir Pour l’Emploi (FAPE) has been promoting solidarity between employees and companies to support the integration of people who struggle to find employment. Thanks to donations from employees and partners, FAPE has already supported more than 2,200 projects and aided in the creation of 12,000 jobs.

- **Fleurs de Cocagne/PEMS supported by FAPE**: Fleurs de Cocagne is a new type of socially-committed, ethical and ecological florist. Fleurs de Cocagne, a producer of organic vegetables, is also opening horticultural gardens in France. The association mainly employs women in vulnerable situations, to help integrate them into the labour market.

- **Artwork in Promess with Leona Rose**: Artwork in Promess is a personalised artistic creation service. Its mission is to design bespoke artistic experiences. Leona Rose is a graduate of the Fine Arts School who draws inspiration from her travels. Her paintings depict colourful jungles, revealing her shamanic, bohemian and international inspirations.
SPORT

Sport and its champions are great ambassadors for opening up new fields of research and mobilizing citizens for the protection of the planet.

THE GOOD GALAXY WELCOMES:

- **Bertrand Piccard - Solar Impulse Foundation**: The Solar Impulse label promotes economically viable solutions that respect the environment. Independent experts approve the projects, with the aim of making decision-makers aware of environmental goals. The Solar Impulse Efficient Solution label includes 1,000 solutions which combine sustainability with economic profitability.

- **Alex Caizergues - Blue Marine Foundation**: Alex Caizergues is a professional French kiteboarder. Named World Speed Champion three times between 2006 and 2009, he was also the first person to sail faster than 100 km/h.

- **Pauline Ado - Surfrider Foundation**: Pauline Ado is a French professional surfer. In 2017, she became the World Champion at the ISA World Surfing Games in Biarritz. Committed to biodiversity, she is an ambassador for the association Surfrider, which works to protect the oceans.
THE PROGRAM
THE GOOD GALAXY

The day will be animated by Stephanie Ampart, Cyrielle Hariel and Cynthia Illouz

10h30  Paris, capitale de la mode responsable
Paris Good Fashion
Isabelle Lefort (Paris Good Fashion)

10h40  Empowering cities with culture
La culture pour réenchanter la ville
Ricardo Piquet & Renata Salles (Museu do Amanhã)

10h50  L’entreprise du 21ème siècle sera citoyenne
When companies act for society
Michel Lévy-Provençal (BOMA), Anne Thevenet (Danone)

11h20  Réinventer l’éducation pour inventer le futur
Edech, the future is in our hands
Sharon Sofer (Startup For Kids)

11h30  L’empowerment par l’innovation
Integration is not an illusion
Moussa Camara (Les Déterminés), Josédphine Goube (Techfugues)

12h00  Breaking the tech ceiling glass
Briser le plafond de verre de la tech
Dipty Chander (E-mma), Ezequiel Muñoz (Laboratoria)
Caroline Ramade (50inTech)

12h30  Brave new energy world
Nouveau monde, nouvelle énergie
Loic de Fontaubert (ENGIE Rassembleurs d’Énergies),
Bohrane Mzita (Energy Assistance),
Ajaita Shah (Frontier Markets)

13h00  Protection des océans, l’épopée contemporaine
Protecting the ocean, a modern epic
Pauline Ado, Alex Caizergues, Amélie Fontcuberta (Ecocéan)

13h30  La cuisine, ingrédient de réinsertion
Cooking up your integration
Donia Souad Amamra (Meet My Mama)

13h45  #Intrapreneurs4Good
Sandrine Delage (BNP Paribas),
Valérie Gaudart (ENGIE), Alexia Penent (Danone)

14h15  With micro-knowledges come great changes
Micro-savoirs et grands changements
Pendo Daoudi & Fatma Haji (Barefoot College),
Isabelle Mashola (Isahit)

14h45  Repenser notre rapport à la nature
Innovation by nature
Hortense Harang (Fleurs d’Ici), Kalina Raskin (Ceebios),
Alain Renaudin (Biomim’expo)

15h15  Quand l’économie circulaire énergise l’éolien
Powering wind energy with circular economy
Sébastien Duchesne (Mywindparts)

15h25  A la rencontre des Little Miss Sunshine
Let’s meet the Little Miss Sunshine!
Emma Goupil & Luna Puerto Sanchez & Shaima Soulimani (Little Miss Sunshine)

15h35  Lumière sur les femmes artistes
Shining a light on women artists
Camille Morineau (Aware)

16h05  Violences faites aux femmes, l’affaire de tous
Violence against women: all are concerned
Anne-Cécile Mailfert (Fondation des Femmes),
Anastasia Mikova (Film Woman),
Elisabeth Richard (ENGIE)

16h35  Kids, our water heroes
Enfants superhéros de l’eau
Joyce Capelli (Melhores Dias)

16h45  Energie ultra-marine
Youthful energy for a greener society
Tarona Hiriga (Programme ultramarins)

17h00  1 000 solutions pour la transition écologique
A thousand solutions for an ecological transition
Bertrand Piccard (Fondation Solar Impulse)

17h30  L’accès à l’énergie : un défi de développement humain
Accessing Energy: a challenge for human development
Bohrane Mzita (Energy Assistance),
Daniel Millière (Association Horizon Sahel)

17h40  L’énergie, solution contre la pauvreté
Energy, a solution against poverty
François Marty (Foncière Chênelet)

18h15  Remise du Prix de la Fondation ENGIE
Talents de la Recherche au Musée de l’Homme
ENGIE Foundation Prize
Research Talents at the Musée de l’Homme
Allain Bougrain-Dubourg, Bruno David (ENGIE),
Philippe Peyrat (Fondation ENGIE)
For more information
LANCEY ENERGY STORAGE
By Lancey

What if (even) your radiator became smart?
Lancey offers the harmony of low-carbon comfort, with a smart electric radiator embedding batteries for electricity storage. This solution ensures an autonomous and optimal management of heating, while guaranteeing a low price for energy.

MY ELEC & MY GREEN GAS
By ENGIE

Solutions for the consumer actor of the zero carbon transition
My Elec and My Green Gas are innovative electricity and gas offers allowing customers to choose the production site and associated renewable energy. My Elec is an electricity supply certified 100% renewable. My Green Gas guarantees that the equivalent of 10% of the gas consumed by users corresponds to renewable gas (biogas) injected in the grid.

UP
By ENGIE

Monitor consumption and save money
UP is the first combined energy and services pack, designed specifically for residential customers. It provides a clear overview of energy and water use, so that customers have the tools to monitor their consumption and reduce their monthly bills.
UP also notifies the client in case of abnormal consumption and includes a 24/7 repair service.

The smart thermostat included in this offer was voted “Product of the Year” in 2018.
H04  ELEC’CAR & ELEC’CHARGE
By ENGIE

Save money by recharging your electric vehicle
Elec’car is the first green electricity offer dedicated to electric cars. It allows its users to have 50% off the price of kWh during off-peak hours to recharge their car with certified green electricity. This solution can be paired with Elec’charge, a home charging station.

H05  50FIVE HOME SOLUTIONS
By 50five BV

What if homes became smart?
50five equips homes with smart connected technologies, key levers in the energy transition of households (PV, batteries, EV chargers, intelligent heating). These solutions connected to smart phones allow users to manage the equipment of their homes according to their needs and energy saving objectives.

H06  FENIX POWER
By ENGIE Fenix

Solar power serving energy accessibility
Fenix Power is a pay-as-you-go energy solution that allows low-income, off-grid households of Africa to pay as little as $0.16 day for clean solar lighting and charging.

H07  SAN MARTIN OFF GRID
By ENGIE Fenix

Accessing energy at the heart of the jungle
The San Martin concession provides access to electricity to 2,500 homes in 70 communities in the Peruvian jungle using home solar systems, consisting of a battery, a solar panel and its connections. The solution includes the installation, operation and maintenance. By 2020, this initiative will reach 5,000 homes outside the national power distribution grid.

H08  OFF-GRID RENEWABLE ENERGY
By ENGIE PowerCorner & Sagemcom

Unlocking economic potential of rural communities by providing access to renewable energy services through smart mini-grids
ENGIE PowerCorner is the smart renewable mini-grid development solution from ENGIE dedicated to providing clean, affordable and reliable energy services to rural areas in Africa. Its purpose is to unlock the economic potential of these communities.

Electricity is produced via solar energy and battery storage offering 24/7 energy services, using cloud-based digital solutions like mobile-money and pay-as-you-go technologies.
**BIO1  INCITY TOWER OF LYON**  
By ENGIE Cofely & Bureau Veritas Group

Design and control a building in real time thanks to BIM: the future is already here!  
Awarded Gold BIM 2018 in the operating category, the Incity tower located in Lyon demonstrates that Smart Buildings are now a reality. By converging all the building's data, the BIM Exploitation solution that has been implemented offers a full vision of the asset and optimizes the energy and usage of the tower. Coupled with digital compliance solutions and designed for users, it also increases their well-being.

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**BIO2  WOOD-FIRED COMBINED HEAT AND POWER PLANT TO THE BENEFIT OF THE INDUSTRY AND THE PUBLIC GRID**  
By ENGIE, together with ewz, for DSM, Novartis and Syngenta

When biomass meets the industry’s needs  
The new environmentally friendly plant, one of Switzerland’s largest biomass power plants, will ensure a 50,000 tons/year reduction in CO2 emissions, compared to the former fossil-fueled plant.  
Production per year: 267 GWh of steam, 42 GWh of electricity.  
The biomass power plant supplies steam to the production facility of DSM Nutritional Products in Sisseln and the neighbouring plants of Syngenta and Novartis. The electricity - enough to power the equivalent of 17,500 local households - will be fed into the public grid, or used directly by the DSM plant. The wood chips required for energy production come from a maximum radius of 100 km.  
This project is an important contribution to Switzerland’s Energy Strategy 2050.

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**BIO3  ILICO2**  
By ENGIE Axima

Opening the way to carbon-free refrigeration  
ILICO2 is a complete offer of low carbon solutions for refrigeration, air conditioning and heat pumps. ILICO2 solutions make installations become ecological and sustainable by using natural and carbon-free refrigerants, improving energy efficiency, and reusing the heat generated by these installations.
BI04  BATTERY "AS A SERVICE" AND CHARGING “AS A SERVICE”  
By EVChong Shanghai

Powering sustainability and the circular economy in China
This new energy storage system uses retired batteries from vehicle and a proprietary high-performance battery management technology. It promotes the sustainability of electric vehicles and a circular and green economy to maximize the full lifecycle value of batteries and minimize their environmental impact.

BI05  TRONIQ QUICK CHARGING STATION  
By EVBox

Accelerating electric mobility
EVBox’s TroniQ fast charging station charges an electric vehicle with a power output of 50 kW. Its built-in storage batteries make it possible to avoid power consumption peaks. The TroniQ terminal is designed for fast charging on roads, in the workplace or in shopping centers.

BI06  IUT C OF ROUBAIX  
By ENGIE Axima

A tertiary building with positive energy
IUT-C Roubaix is the first positive energy university building in France. It is an innovative, passive smart building, with an energy cost objective of € 1 / m² thanks to the production and storage of solar energy, intelligent energy management and cooling ventilation at night.
THE PALAIS DU COMMERCE OF RENNES
By Aire Nouvelle & Smart’eo by ENGIE Ineo

What if an old building became a showcase for zero carbon “as a service”? Energy efficiency, smartgrid, digital control, BIM, bio-sourced materials ... The Renaissance of the Palais du Commerce implements technological, programmatic, social and urban innovations. Our missions for this environmental excellence project: build sustainably, low carbon, promote green mobility and biodiversity, provide energy monitoring solutions to work towards carbon sobriety.

THE GRAND-PLACE OF BRUSSELS
By ENGIE Fabricom

Sober, sustainable and aesthetic: New ways to shine the light on cities
Thanks to innovative and sustainable lighting solutions, ENGIE Fabricom has contributed to reducing the square’s electricity consumption by approximately 80%. The 27 buildings now equipped with LEDs consume as much electricity as two buildings equipped with traditional lighting. The aim: to help local authorities meet their energy efficiency ambitions, while making the area even more attractive.

INTELILIGHT® SMART LIGHTING SOLUTION
By Flashnet

Intelligent lighting, the pillar of sustainable cities
inteliLIGHT® is a smart street lighting management solution with lamp-level control capabilities and real-time, in-depth grid awareness.

It integrates the latest IT, energy and telecommunication technologies into an IoT solution, providing a more efficient and sustainable lighting service, faster maintenance and reduced energy consumption (up to 80% savings, when combined with LED lamps).
**C04  ILOT FRAIS**  
By Climespace ENGIE

**The first street furniture connected to the cooling network**

"L'îlot frais" is an innovative element of urban furniture that offers a temporary refreshment service to the general public. It is part of the territory's adaptation strategy to global warming, bringing comfort to the population in case of very hot weather. Connected to the cooling network of the City of Paris, highly energy efficient, it provides shade through its canopy and freshness through the iced water circulating in its basis. Equipped with heat exchangers and small fans, the system diffuses fresh air to its users thanks to its automatic release and autonomous energy.

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**C05  TABREED DISTRICT COOLING SOLUTIONS**  
By TABREED & ENGIE

**Cooling cities located in warm climates while reducing CO2 emissions**

Modern district cooling solutions allow cities and countries in warm climates to achieve high energy efficiency, save water and decarbonize their economies and communities. In the harsh climate conditions of the Gulf, Tabreed District Cooling Solutions help to avoid the emission of 1 million tons of CO2 per year, compared to traditional air conditioning. The system currently covers 22 million square meters in over 5,000 buildings.

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**C06  LIVIN’**  
By ENGIE Digital

**Better understanding the city to drive targeted actions**

Livin’ is a digital platform that manages urban infrastructures via data. Livin’ is aimed at local communities, enabling them to quantify the impacts of connected infrastructures on air quality, parking, urban safety and global carbon footprint.

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**C07  ILE-DE-FRANCE SMART SERVICES**  
By Siradel ENGIE & Wavestone

**Data to transform public service into services to the public**

Concentrating the data of the Ile-de-France Region (1276 communes and 2.5 million buildings) within a platform accessible to all, to pool and redistribute information efficiently, co-build services closer to Parisians and ensure cohesion and balance between all territories. The platform offers a digital 3D double of the territory to embody and visualize the projects and schemes of the entire region.
C08 HELIASOL® SOLUTION
By HELIATEK

What if all buildings became energy generators?
HeliaSol® transforms facades and roofs into energy generators. This ultra-thin, lightweight and flexible organic solar film is equipped with a self-adhesive side that can easily be applied on almost any flat surface.

With less than 20 g CO₂ / kWh, no toxic material, and no metal or rare substances, the films can easily be recycled at the end of their life cycle.

C09 HYDROGEN BICYCLES
By PRAGMA Industries & ENGIE Cofely

Hydrogen to develop green mobility
Hydrogen bicycles divide by 5 the environmental footprint of electric bikes thanks to the absence of batteries. Their increased autonomy and rapid recharging open the way to new uses: wide open spaces, “rurban” connections...

C10 TURNKEY IOT SOLUTION
By ENGIE M2M & Sigfox

Towards zero-carbon emissions thanks to the Internet of Things (IoT)
ENGIE M2M’s solutions based on Sigfox IoT connectivity offer asset tracking and monitoring to maximize the efficiency of business processes. Sensor data acquired from IoT-enabled assets brings new and valuable insights, empowering tomorrow’s sustainable and emission-free businesses.

As such, the IoT revolution will be key in the zero-carbon transition.
**T01  AZOLA**
By Azola & STORENGY

**Control your injection by storing your biomethane**
Azola markets an innovative, patented and flexible biomethane liquefaction and storage solution. With low investment and exploitation costs, 100% of the biomethane produced is valorised. As a biomethane producer and gas distributor, Azola contributes to the greening of the energy mix of communities and territories.

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**T02  THE VIRTUOUS CIRCLE OF BIOGAS**
By ENGIE & GNVERT

**Producing, lighting, heating, moving green**
Through its entities and ten biogas plants, ENGIE produces, markets and values biogas for heating networks or biomethane fuel stations. From agricultural materials, or agro-industrial waste with Agribiomethane and BGB (Beauce Gatinais Biogas), to food waste with Carrefour, heating and moving thanks to local, renewable and carbon-free energy is becoming possible!

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**T03  GAYA**
By ENGIE Lab

**Producing biomethane for valorisation in existing networks or in mobility**
Gaya is the first research and development demonstration platform for semi-industrial production of biomethane from dry biomass in Europe. Its purpose is to develop an innovative, competitive and sustainable production line for the second generation of green gas: a biomethane produced 100% from renewable resources, transportable in existing networks or directly usable as fuel.
**KRISTAL SOLAR PARK**
By ENGIE Fabricom

**A large-scale energy transition**
The Kristal Solar Park in Lommel is the largest solar park ever built in the Benelux. 300,000 solar panels have been installed on a total surface area of 200 football fields. With a capacity of 99 MW, the park will supply the company Nyrstar and the businesses of Kristalpark III. The green electricity produced by the park is equivalent to the consumption of 25,000 households.

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**KATHU SOLAR PARK**
By ENGIE

**Yes, renewable energy can generate day and night**
Kathu Solar Park is a 100 MW Concentrated Solar Power (CSP) project with 384,000 mirrors and equipped with a molten salt storage system that allows 4.5 hours of thermal energy storage and thus limits the intermittent nature of solar energy. The plant reliably supplies over 179,000 South African homes with stable electricity during the peak demand period.

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**DARWIN**
By ENGIE

**Driving the production of renewable energy in territories**
Darwin is a digital platform dedicated to renewable energy production facilities. It collects, analyzes and interprets the data transmitted by power plants in real time (24/7) in order to improve the operational performance of renewable assets.

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**DRONES SOLUTIONS**
By ENGIE Lab & Aeromapper

**The new generation of control drones for hard-to-reach areas**
Drones are increasingly used in technical inspections. From indoor drones for inspections of premises and industrial equipment, to outdoor drones for mapping large distances and surfaces, these solutions increase the level of safety, lower costs, reduce the carbon footprint compared to conventional means (aircraft, helicopter, etc.), and make possible the digitalization of equipment and data processing through AI.
**T09  HYGEN**

*By ENGIE*

**Renewable hydrogen for reliable, low-carbon electricity**

HyGen’s ambition is to offer an alternative to diesel generators for off-grid and temporary uses. Relying on green hydrogen, the solution aims to provide reliable, zero-emission and zero-carbon electricity.

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**T10  ENERGY OBSERVER**

*What if the future of cities was also invented on a boat?*

Energy Observer is the first ship powered by hydrogen and renewable energy, engaged in a world tour. Its goal: prove the viability of these technologies at sea and on land so that tomorrow, our homes, buildings, neighborhoods and cities become the links of an optimized, intelligent and CO2-free energy network.

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**T11  LENS AND PAU HAVE CHOSEN HYDROGEN BUSES**

*By ENGIE*

**What if water became a fuel?**

The cities of Lens and Pau are equipped respectively with 6 and 8 hydrogen buses. An innovative technology, “zero emission”, with over three hundred kilometres autonomy, and the choice in charging mode: rapid, in 10 minutes for Lens, or slow for Pau, when buses are at the depot.

GNVERT, a subsidiary of ENGIE, builds and operates the hydrogen charging station for these buses. Hydrogen is produced on site by an electrolyser powered by local electricity of renewable origin.

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**T12  EFFIH2**

*By ENGIE Cofely*

**Produce 100% renewable hydrogen on site**

EFFI H2 is a renewable hydrogen supply technology for mobility and industry which uses an on-site electrolyser powered by renewable energies.
Hydrogen mobility on a large scale
HyStart is a solution that allows local communities and businesses to discover hydrogen mobility and value locally produced renewable electricity. Atawey designs and manufactures hydrogen production and distribution stations. ENGIE Cofely rents, operates and maintains these stations.

We believe in hydrogen!

Multi-sectoral collaboration to move green mobility forward
ENGIE Cofely has equipped its technicians with 50 Renault Kangoo Z.E. running on hydrogen. Equipped with the Symbio hydrogen range extender, these electric vehicles neither produce particles nor greenhouse gases. They have a reduced recharge time and a long-life battery.
A sustainable and inclusive event

OUR ENERGY

On The good day, discover our alternative energies in action!

- Two vegetable oil generators
- A green hydrogen generator (Genset H2)
- Two OPV (organic photovoltaic solar) tarps
- Solar ovens for 100% natural cooking

OUR FOOD

Only the best for your taste buds!

- Local, fresh, mostly organic and seasonal products
- Bread made locally
- Homemade ice creams and sorbets
- Fair trade coffee
- All in sensible portions
- And if there is anything left over... dry waste heads to Biocycle for reuse and the rest is composted!
- 50% vegetarian food products and French pickled gherkins!

THE RIGHT EQUIPMENT TO SERVE YOU...

- Reusable or eco-designed plates and cutlery
- Compostable cups
- Organic cotton tablecloths, woven in France
- Water fountains mapped out and available for your use

AND EMPOWERMENT TASTES GOOD!

- 30% of the staff comes from an ESAT establishment (Employment Support Centres and Services)
- Part of the food is prepared by refugee and immigrant women working with Meet my Mama
THE MATERIALS

Here, we rented everything we could!

- Wooden terraces
- PVC Windows for the tents
- The furniture
- The plants
- The wood for our main bar
- Only a few seats were purchased, which will be reused on ENGIE’s premises
- 40 plants are on loan from the Domaine de Saint Cloud
- Fleurs d’ici is decorating the spaces with local, seasonal flowers

AND WE RECYCLE AS MUCH AS POSSIBLE

- 50% of carpets to be collected by a charity
- 50% of carpets reused by the service provider
- Some of the tarpaulins are donated to a charity
- Green waste bins are available
- A second life is given to furniture renovated by the craftsmen of La Collecterie

WASTE MANAGEMENT

I sort, you sort, he sorts, let’s sort together!

- Installation of mixed recycling “bi-flux” bins
- Providers trained in sorting and raising awareness

A REASONED COMMUNICATION

We are acting reasonably, and we are talking about it!

- Digital registration platform
- Paper badges
- Reusable badge pockets and cords
- Online program
- Raising everyone’s awareness of the sustainability of the event
#Act With ENGIE