Green Solutions Awards 2018: which projects are qualified for the international finals?

This is it, all Construction21 chapters, who run the contest in their country, revealed their national champions! Each one of them won in their country in their respective category and therefore are now qualified to enter the international finals scheduled during the COP24 in Poland, on December 6th.

Five expert juries from various countries will select the winning buildings, districts and infrastructures among these finalists. Along with the designation of winners, the jury’s mission is to send a message to the market by highlighting innovative solutions that are interesting to replicate on a much larger scale.
National winners first, but international finalists too

To win their place in finals, first, candidates had to demonstrate their worth to national juries in their category or receive the User’s choice award, based on the online votes by Construction21 users. In France, another possibility was available to candidates, for the first time, a student jury could also promote a candidate to the international finals.

After being rewarded in their own country, winning buildings, districts and infrastructures will now be confronted with the decision of the international jurors, recruited among world experts.

NB: Candidates from countries without a Construction21 platform were evaluated by a special jury. They also benefited from an intense campaign online for the User’s choice award of the international platform.

World experts decide now

For this 2018 edition, five international juries will examine the finalists:

- Energy & Climates (temperate and hot)
- Low Carbon + Health & Comfort + Smart Building
- Grand Prizes (Sustainable Renovation + Sustainable Construction)
- Districts
- Infrastructures

31 specialists, teemed in these different juries, analyse individually each project and collectively debate to consensually select the winners of each award. For each rewarded building, district or infrastructure, the jury decides the message to be sent through that victory, hence contributing to the mission of the Green Solutions Awards: disseminating innovation at a large scale and accelerating the environmental transition of buildings, cities and territories.

Trends in 2018: human factors and biobased materials

143 candidates entered the 2018 edition of the Green Solutions Awards: 103 buildings, 16 districts and 24 infrastructures, located from 16 countries.

With the quantity and diversity of candidacies, in geography and in uses, we were able to observe trends. For instance, the care given to well-being and health of users that we saw in the 2017 edition, is confirmed. Even better, we note a new way to approach human factors in buildings: participation of future inhabitants from the design phase of the project.

Another observation: builders use more biobased materials (wood, straw, terracotta, cellulose wadding...) and we see recycled materials emerging.

Another budding trend is also seen in the Green Solutions Awards 2018: the notion of resilience among Luxembourg, English, French or Japanese candidates.

Read more about the trends of the Green Solutions Awards 2018

Next step: COP24 in Poland

Who will be the winners of the Green Solutions Awards 2018? You will know on December 6 at 5.30PM (GMT+1), in Poland during the COP24. The ceremony will take place in the University of Silesia, in Katowice, to reveal the names of the winners in front of 200 professionals from allover the globe. You can follow the ceremony live on site or through social media with the hashtag #GreenSolutions Awards!

The event is part of the Buildings Day of COP24 and will take place right after Building Action Symposium, organised by the Global Alliance for Buildings and Construction’s (GABC) on that same site earlier that day.
Exceptional visibility around the world: 1.5 million views

Competing in the Green Solutions Awards is a great way to make your expertise known... and to win new markets in your country and internationally.

Though an intense on- and offline communication campaign, the contest, the candidates, sponsors and partners benefit from a massive cover on all 12 platforms of the Construction21 network, on social media and during dedicated events.

National and international ceremonies provide the winners with a great platform. Some projects are also presented in partnered trade fairs during the contest.

Visibility is also strengthened by the relay of hundreds of media partners: specialised magazines, fairs or professional associations, they all contribute to amplifying the impact of the Green Solutions Awards every year.

Each winner will also receive a video presenting their project. Easily shared, the videos will be broadly disseminated on the web and on social media. A brochure will also be published in English, French, Spanish and Chinese to highlight the winners.

The contest grows bigger every year and generated 1.5 million views in 2017, demonstrating the growing impact of the Green Solutions Awards in its dissemination role for innovations for the sector.

Discover the national winners below
**District of la Fleuriaye**

La Fleuriaye, Carquefou / France

Local authorities: Nantes Métropole, City of Carquefou

Project holder: Loire-Atlantique développement

Construction managers: AUP, Phytolab, Artelia

Investors: Samo, Viloria, Bouygues Immobilier

Architecture agencies: Magnum, PADW

Electricity manager: Enedis Solar operator: Armorgreen

Consultancy agencies: Claude Figureau, Amocité, Energelio, AlBdo

Operators: Eiffage Construction, GSE

Users: GIE de la Fleuriaye

---

**Ecodistrict Cœur de ville – La Possession**

La Possession, Reunion Island / France

Project holder: City of la Possession

Construction manager: Leu Réunion

Developer: Semader

Investor: Immobilière Cœur de Ville

---

**PASAPAS**

Barcelona / Spain

Project holder: Sant Cugat City Council

Association of residents: Asociación espacio eco Les Planes

---

**REMOUBAN – Smart City Valladolid**

Valladolid / Spain

Project holder: REMOUBAN Project

Coordinator + in charge of the evaluation framework: Fundación CARTIF

---

*National users’ choices are pointed out with a “like”*
See the "Districts" winners

**Eco-district Port du Bon Dieu**

Namur / Belgium

Project holder: Namur Waterfront
Investor: Atenor
Architecture Agencies: Atelier de l’arbre d’or, MONTOIS PARTNERS Architects

**Eco-district Jambes**

Jambes / Belgium

Project holder: Thomas & Piron Bâtiment SA
Investor: Thomas & Piron Bâtiment SA
Architecture Agency: Emmanuel Bouffioux Architect (BAEB)

**Sino-Singapore Tianjin Eco-city South District**

Tianjin / China

Project holder: Construction Bureau of Sino-Singapore Tianjin Eco-City
Consultancy agency: Tianjin Eco-city Green Building Research Institute

*National users’ choices are pointed out with a “like”*
See the “Infrastructures” winners

**Ecological restoration of Wolong Lake of Kangping**

*Wolong lake / China*

Project holder: Management Committee of Wolong Lake Development Zone, Kangping County
Builder: Taitong construction group co.,ltd.
Manager/Dealer: Phytorestore

**Abattoir BIGH Farm**

*Brussels / Belgium*

Project holder: Building Integrated Greenhouses SCA
Manager/Dealer: BIGH Anderlecht SA

**Cementiris de Barcelona**

*Barcelona / Spain*

Project holder: Cementiris de Barcelona, SA
Builder: Sogesa

**Higashi-Matsushima City Disaster-Ready Smart Eco-Town**

*Higashi-Matsushima / Japan*

Project holder: Higashi-Matsushima City
Builder: Sekisui House
Manager/Dealer: Support of Ministry of Environment

**Ekumoro H20+Collecting rainwater in schools and urban poverty regions**

*Bogota / Colombia*

Project holder: Ekumoro H20+ Group
Builder: Ricardo Alba Aldana
Manager/Dealer: Ekumoro H20+ Group

*National users’ choices are pointed out with a “like”*
See the “Infrastructures” winners

**Smart, sustainable and economical lighting in Copenhagen**
Copenhagen / Denmark

Project holder: **City of Copenhagen**
Builder: **Citelum**

**Hydrogen charging station for buildings Smart Grid**
Vannes / France

Project holder: **Morbihan Energies**
Builder: **Atawey**
Manager/Dealer: **Engie Cofely**

**Public toilets with water saving**
Vitry-sur-Seine / France

Project holder: **Water-éCoquette**
Builder: **DM Industrie**
Manager/Dealer: **Water-éCoquette**

**Protection works of La Baule beach – Ecoplage®**
La Baule-Escoublac / France

Project holder: **City of la Baule-Escoublac**
Builder: **Ecoplage**

*National users’ choices are pointed out with a “like”*
See the “Buildings” winners
Sustainable Renovation Grand Prize

Belliard 65
Brussels / Belgium
Contractor: AXA REIM Belgium
Construction manager: Archi 2000
Assistance to the contracting authority: Advisers
Manufacturers: Herpain Enterprise, SPIE, ITB, Kone, Nizet
Consultancy agencies: Matriciel SA, Pirnay Engineering, Venac
Certification company: B4F

Eco-Renovation headquarters of KTR France
Dardilly / France
Contractor: KTR France
Designer: Ressources Green Building
Construction manager: Diagonale concept
Consultancy agency: Amstein et Walthert
Company: Terre et Lac
Manufacturers: Dualsun, Biofib, Mapei, Sonepar

Passivistas The House Project
Papagos / Greece
Contractor: Project15
Construction manager: Project15
Certification company: Hellenic Passive House Institute

Carrer Nou
Girona / Espagne
Contractor: Construccions Busquets Vilobí
Designer: Jordi Rodríguez-Roda – López-Pedrero-Roda Arquitectes SLP
Construction manager: Construccions Busquets Vilobí
Consultancy agency: PROGETIC Projectes Sostenibles SL
Manufacturer: PGI Engineering Investor: MBD Real Estate Group
Certification company: Energiehaus Arquitectos SLP

Retrofit Project of Guangzhou White Swan Hotel
Guangzhou / China
Designer: Guangzhou Design Institute

*National users’ choices are pointed out with a “like”
See the “Buildings” winners
Sustainable Construction Grand Prize

Bei de Kueben House

Angelsberg / Luxembourg
Contractor: Administration Communale de Fischbach
Designers: Coeber, Dave Lefèvre et associés, Schroeder & Associés
Ingénieurs-Conseils
Consultancy agencies: Betic Ingénieurs-Conseils, Luxcontrol

Deltagreen

Saint-Herblain / France
Contractor: Galeo
Designer: CR&ON Architectes
Construction manager: Essor
Consultancy agencies: ITF, Serba
Facility manager: Solaris Gestion
Manufacturer: Powidian

Aulario IndUVA

Valladolid / Spain
Contractor: Constructora San-José S.A.
Designer: Francisco Valbuena García
Construction manager: Constructora San-José S.A.
Consultancy agencies: Torre de Comares Arquitectos S.L.P, Ana Jiménez/María de la O García, Cristina Gutiérrez Cid, Vega Ingeniería, José Emilio Nogués / Diego Tamayo, Pejarbo SL, Cristina Cano herreras Architecture Photography: Antonio Vázquez Photo

Sindibad Beach Resort – T1A and T1B

Casablanca / Morocco
Contractor: Sindibad Beach Resort
Construction manager: JLA Studio
Assistance to the contracting authority: ALTO EKO
Sustainable urbanism: Atelier Philippe Madec

Zhuhai Xingye New Energy Industrial Park R&D Building

Zhuhai Xingye / China
Contractor: China Singyes Solar Technologies Holdings Limited
Designer: Zhuhai CSCEC Singyes Green Building Design & Research Institute Co., Ltd.

*National users’ choices are pointed out with a “like”
See the “Buildings” winners
Energy & Temperate Climates

Bei de Kueben House

Angelsberg / Luxembourg
Contractor: Administration Communale de Fischbach
Designers: Coeba, Dave Lefèvre et associés, Schroeder & Associés
Consultancy Agencies: Betic Ingénieurs-Conseils, Luxcontrol

Doge

Lille / France
Contractor: Nacarat
Construction manager: Tarabusi
Consultancy agency: Projex
Company: Rabot Dutilleul Construction

The Towers of Bolueta

Bilbao / Spain
Contractor: Visesa
Designer: Varquitectos
Construction manager: Construcciones Sukia

CLT Multi comfort office building

Covasna / Romania
Contractors: Nizar Construction, Bavaria Ecosystem
Designer: Tecto Architectura
Construction manager: Tecto Architectura

Chongqing Bojian Center

Chongqing Shi / China
Contractor: Chongqing Bojian Real Estate Consulting Co., Ltd.
Designer: Chongqing Bojian Architectural Design Co., Ltd.
Consultancy agency: Chongqing University

*National users’ choices are pointed out with a “like”
See the “Buildings” winners
Energy & Temperate Climates

**Belliard 65**
Brussels / Belgium
Contractor: AXA REIM Belgium
Construction manager: Archi 2000
Assistance to the contracting authority: Advisers
Manufacturers: Herpain Entreprise, SPIE, ITB, Kone, Nizet
Consultancy agencies: Matriciel sa, Pirnay Engineering, Venac
Certification company: B4F

**House of Île-de-France**
Paris / France
Contractor: Région Île-de-France
Designer: Agence Nicolas Michelin & associés (Anma)
Construction manager: Anma, Deerns France
Consultancy agencies: Deerns France, Batiserf

**Mineroom Student Residence Leoben**
Leoben / Austria
Contractor: ARGE Svietelsky Baugesellschaft m.b.H. & Weissenseer Holz-System-Bau GmbH - Totalübernehmer
Construction manager: ARGE Svietelsky Baugesellschaft m.b.H. & Weissenseer Holz-System-Bau GmbH - Totalübernehmer

**Building EnergyPlus Orru**
Silandro / Italy
Contractor: Ing. Paolo Orru
Designer: Ing. Paolo Orru
Construction manager: Ing. Paolo Orru

*National users’ choices are pointed out with a “like”*
See the “Buildings” winners
Energy & Hot Climates

**Media Library Wild South**

Saint-Joseph, Reunion Island / France

Contractor: Commune de Saint-Joseph
Construction manager: Co-Architectes
Consultancy agencies: Tribu, Gui Jourdan, Héliotropic + Efitec
Intégrale ingénierie
Economist: Abtec
Landscape gardener: Adhoc paysagiste

---

**Kindergarten and elementary school Auda Anfa**

Casablanca / Morocco

Contractor: Groupe Scolaire la Résidence
Construction manager: Groupe 3 Architectes
Assistance to the contracting authority: Oger International, Bureau Veritas Maroc
Consultancy agency: Casa Vigilance
Companies: Tramco, Wattelec, Polysol, Eurafrique, ABH, Gaouzi

---

See the “Buildings” winners
Low Carbon

**New project of the Faubourgs d’Anfa**

Casablanca / Morocco

Contractor: ANFA 3B2I - Bouygues Immobilier Maroc
Designer: Omar Alaoui Architecte
Construction manager: Bouygues immobilier
Assistance to the contracting authority: Bureaux Veritas

---

**The Beehive**

Bègles / France

Contractor: Axanis
Construction manager: Dauphins Architecture
Consultancy agencies: 180 degrés ingénierie, Eco Etudes

---

**REEF Sansone Bar Restaurant**

Portoferraio / Italy

Contractor: Lam Ambiente S.R.L
Designer: Massimiliano Pardi
Construction manager: Massimiliano Pardi
Structural designer: Elvio Bolano
Energy designer: Alessandra Rando
Energy certificator: Alessandra Moncini

*National users’ choices are pointed out with a “like”*
See the “Buildings” winners
Low Carbon

Waste House
Brighton / England
Contractor: The mears group
Construction manager: The mears group

The Towers of Bolueta
Bilbao / Spain
Contractor: Visesa
Designer: Varquitectos
Construction manager: Construcciones Sukia

Collège Notre-Dame de Bon Secours
Binche / Belgium
Contractor: Collège Notre-Dame de Bon Secours ASBL
Designer: Atelier Alter Ingénieurs et Architectes (AAIA)
Construction manager: De Graeve SA
Consultancy agencies: EURECA et A+ Concept

Sino-German Ecological Park Passive House Technology Center
Qingdao / China
Contractor: Ronghua Construction Group Co., Ltd.
Designers: China Academy of Building Research Ltd., Rongen Tribus Vallentin GmbH
Construction managers: Qingdao Passive House Engineering Technology Co., Ltd., Sino-German United Group, Qingdao Sino-German Ecological Park

Majerus Residence
Luxembourg / Luxembourg
Contractor: Feltes & Associés Promotion
Designer: Rodolphe Mertens Architects
Construction manager: Boydens Luxembourg SARL

*National users’ choices are pointed out with a “like”

#GreenSolutions Awards
## Smart Building

### New Life Concept
- Vilobi d’Onyar / Spain
- Contractor: Construccions Busquets Sitjà SL
- Designers: LPR Arquitectes SLP, Blazquez-Guanter SLP
- Construction manager: Construccions Busquets Sitjà SL
- Manufacturers: Prefabricats Planas, Fusteria Danés
- Construction companies: Tramateconoambiental TTA, Emblemema
- Acoustics: SIS consultoria acústica SL

### Nanjing Wanda Mall
- Nanjing / China
- Contractor: Nanjing Wandamao Investment Co., Ltd.
- Construction manager: Nanjing Wandamao Investment Co., Ltd.
- Consultancy agency: China Academy of Building Research Co., Ltd.

### Passive Witness House CLK
- Grevels / Luxembourg
- Contractor: CLK Constructions
- Designer: Bureau d’Architecture Urbaine SARL
- Construction manager: CLK Constructions
- Manufacturer: rms.lu

### Technopole
- Grenoble / France
- Contractor: Schneider Electric
- Designer: Arche 5
- Construction manager: Arche 5
- Developer: GA Promotion
- Consultancy agency: Artelia

### Smart Construction Lab LafargeHolcim Maroc
- Bouskoura / Morocco
- Contractor: LafargeHolcim Maroc
- Construction manager: Yassir Khalil Studio d’architecture
- Assistance to the contracting authority: Alto Eko

*National users’ choices are pointed out with a “like”*
See the “Buildings” winners
Health & Comfort

**Landsea new mansion Project**

Shanghai / China

Contractor: Landsea Green Group Co., Ltd.

**Nursery school of Boutours**

Rosny-sous-Bois / France

Contractor: Ville de Rosny-sous-Bois
Construction manager: Ville de Rosny-sous-Bois
Manufacturers: APIJ bat coopérative, Bouquet, Meha

**Sindibad Beach Resort – T1A et T1B**

Casablanca / Morocco

Contractor: Sindibad Beach Resort
Construction manager: JLA Studio
Assistance to the contracting authority: ALTO EKO
Sustainable urbanism: Atelier Philippe Madec

**Passive house in Burmerange**

Burmerange / Luxembourg

Contractor: Private
Construction manager: Beiler François Fritsch
Assistance to the contracting authority: Ralph Baden

**Residence Visioneire**

Cinisello Balsamo / Italy

Contractor: Edilman S.R.L.
Designer: Vincenzo Guzzo
Construction manager: Vincenzo Guzzo

*National users’ choices are pointed out with a “like”*
As the social media for sustainable buildings and cities, Construction21 disseminates free information and best practices for sustainable development among actors of the building and city sectors, especially through its three databases dedicated to exemplary buildings, districts and infrastructures.

The Construction21 network counts 11 national platforms in Europe, China and North Africa, managed by local non-profit organisations, along with an 12th international platform in English. In 2017, the network generated 700,000 visits and 7 million views.

Every year, Construction21 organises the Green Solutions Awards, an international contest aiming to promote pioneers’ best practices and inspire professionals around the world. The 2017 awards generated 1.5 million views. In 2018, the international winners ceremony will take place in December during COP24, in Katowice, Poland.

The Construction21 network

Members of the international Construction21 association, the chapters manage the Construction21 platform at a national level and organise the Green Solutions Awards in their country.

Partners

The competition is organised with the support of ADEME and the Global Alliance for Buildings & Construction.

Also, companies committed to fighting against climate change, have joined the competition, supporting category echoing their own action against climate change: Eiffage, Barrisol, BNP Paribas Real Estate, Parex, Rabot Dutilleul. They are presented in the following pages.
80 media partners

More than 80 media partners, national and international, are also promoting the Green Solutions Awards competition with their own networks.
Two questions for Valérie David
Innovation & Sustainable Development Director, Eiffage

Why is your company committed to fighting climate change?
It is clear that, so far, buildings, public works and transports have been heavy consumers of materials, energy and fossil fuels, and emit greenhouse gases. In parallel, a scientific consensus has now been established on climate change and the serious economic and social difficulties it causes.

It is now and today that these issues are emerging. And it is now and today that Eiffage is mobilising its know-how and expertise to offer concrete solutions at the junction of ecological transition and innovation: low carbon construction, use and reuse of bio-sourced materials, modular and mutable buildings, recycled and connected sustainable road, bouquet of renewable energies, ecomobility offer in the heart of the city.

Our Construction division has major references in low-carbon buildings, such as the largest solid wood residential complex in Ris-Orangis (France) and Hypérion, a timber frame housing tower project in Bordeaux (France).

Regarding infrastructures, Eiffage Route is conducting many research and development projects focused on energy savings, management of greenhouse gas emissions and minimising the use of non-renewable raw materials.

While the European plan on climate change pushes to increase in the share of renewable energies in the European Union's energy consumption to 20%, the Group's companies which are specialised in energy production and maintenance – Eiffage Énergie Systèmes and Clemessy, but also Eiffage civil engineering, Smulders and our Spanish subsidiary Eiffage Energia – design and manufacture many cutting-edge technical solutions in this field, both at a national and international level.

Regarding APRR and AREA, they promote ecomobility. As an example, they have launched several carpooling lines, with predefined stops based on the model of public transport lines, on six French motorways – A41, A42, A43, A48, A49 and A51 – while increasing the number of recharging stations on their network. AREA is a subsidiary of the APRR group. APRR, the 4th motorway group in Europe, is owned by Eiffarie (consortium associating Eiffage and Macquarie Autoroutes de France).

What actions have you put in place regarding sustainable development/CSR?
For many years, Eiffage takes into account the strong interaction of its activities with the environment: measuring and reducing the carbon footprint, protecting biodiversity and natural environments, and optimising the use of natural resources. These are the priority areas of the environmental policies adopted within the Group as part of an eco-design and circular economy approach.

We have developed our own sustainable construction standard, HQvie® (High Quality of Life®), and created a carbon-energy arbitrage fund to stimulate the use of low carbon solutions.

In a context of sociological mutations, Eiffage strives to improve its human capital through four key areas: protecting, training, innovating, inserting.

Last but not least, the Group works on contributing to the economic and territorial development of the regions, in France and internationally, boosting the local fabric through employment and integration policies, fostering dialogue and consultation with local residents, develop philanthropic actions aimed at fragile or excluded people, and improving its purchasing policy to better integrate sustainable development and environment into the selection criteria.

About
Eiffage, one of Europe's leading construction and concession companies, operates in the fields of planning, construction and real estate, civil engineering, metal and road, energy and concessions.

The Group draws on the experience of more than 63,000 employees and achieved a turnover of 15 billion euros in 2017.
Why is your company committed to fighting climate change?

Since the foundation of the company, 50 years ago, we became aware of the conservation and respect of the environment. In the heart of the Hardt forest, in Alsace (France), our head office is surrounded by green areas that we strive to preserve.

Respect for the environment is one of Barrisol’s priorities. Today, it is one of our main vectors to convey our company policy. Participating in the Green Solutions Awards enables us to assert that it is possible to combine tradition with innovation, technology and protection of our natural resources.

The Barrisol® system was imagined to use 20 times less raw materials than a standard product. All the Barrisol® sheets and profiles made of aluminium are 100% recyclable.

As a member of the English, Canadian and American Green Building Councils, Barrisol® started to commercialise the Barrisol Recycled® line in 2007. We combined innovation and respect for the environment: Recycled® sheets are manufactured from old Barrisol® sheets.

We use recyclable materials and encourage our partners and customers to join us in this endeavour.

What actions have you put in place regarding sustainable development/CSR?

We take different actions to preserve the planet, like:

- setting up a process to recycle old sheets,
- recycling waste of sheets and aluminium profiles,
- providing employees with carpool vehicles and shuttles,
- setting up a waste collection system for recycling,
- installing time switches and presence detectors to ensure proper management of our power consumption.

About

The Barrisol® Normalu® company, founded in 1967, is the world leader of stretch ceiling. It combines tradition, innovation, respect for the environment and technology to offer you the best walls and stretch ceilings. Our products are rated A+ (very low pollutant emissions) and conform to the highest European and international standards. They are also certified “French Origin Guarantee”. Barrisol® products are 100% recyclable. Our know-how was recognised in 2015 by the label “Living Heritage Company” (Entreprise du patrimoine vivant – a French government label) and in 2014 by the Décibel d’Or, a prize received for our “Acoustic Light®”. 
Two questions for Catherine Papillon
Global Head of Sustainable Development/CSR, BNP Paribas Real Estate

Why is your company committed to fighting climate change?
We, BNP Paribas Real Estate, consider it is our responsibility to bring to actors of the real estate sector our vision for the future sustainable city. That is the reason why we support Construction21 and the Green Solutions Awards for the third year in a row.

The building sector is responsible for 40% of worldwide greenhouse gas emissions.

For this reason, BNP Paribas Real Estate is committed to its stakeholders to integrate climate change issues into its own processes and activities.

Our ambition is to contribute to the development of sustainable cities, by offering products and services that are environmentally friendly, energy efficient and respectful of the health and well-being of its occupants.

What actions have you put in place regarding sustainable development/CSR?
We develop solutions in our different business areas to anticipate and face environmental challenges, but also to respond to the new demands and habits of our clients (whether they are investors, companies, individuals or local authorities). It allows us to play a key role in the urban transition.

As an example, the BNP Paribas Real Estate global business real estate production is environmentally certified. Beyond certifications, BNP Paribas Real Estate provides for the implementation, as part of the Call for innovative urban projects “Réinventons Paris”, with its winning project Ternes, of a connected energy system between offices and housings (smart grids), of a car sharing solution allowing electric vehicle pooling, and of urban garden terraces, among other solutions. In 2017, the Arboretum programme was also unveiled: this new concept of ecological offices, located in Nanterre, will be the largest campus ever built in solid wood in the world.

About
European leader in real estate services, BNP Paribas Real Estate covers the entire life cycle of a property: Promotion, Investment Management, Property Management, Transaction, Consulting and Expertise. With more than 5,100 employees, BNP Paribas Real Estate locally advises owners, tenants, investors and local authorities in 36 countries (15 via its locations and 21 through its network of alliances) in Europe, the Middle East and Asia. In 2017, BNP Paribas Real Estate generated €811 million in revenue. Continuing its growth, in 2017, BNP Paribas Real Estate acquired Strutt & Parker, one of the UK’s leading independent real estate players. BNP Paribas Real Estate is a BNP Paribas Group company.
Why is your company committed to fighting climate change?

The building energy consumption represents more than a third of the total consumption worldwide and is responsible for almost a quarter of the greenhouse gas emissions.

We believe that all players in the construction chain must be mobilised for the fight against climate change and we have decided to play our part. For several years, we have taken an active role in improving the thermal efficiency of buildings by developing our External Insulation Finishing System (EIFS) offer.

What actions have you put in place regarding sustainable development/CSR?

Our sustainable development programme BUILDING RESPONSIBLY is based on 4 commitments, to meet the environmental, social and societal challenges we face:

- **Innovating**, continuously, to contribute to sustainable construction,
- **Reducing** our environmental footprint throughout the life cycle of our products,
- **Acting** for and with our employees,
- **Anchoring our sites in their territory**.

We deploy voluntary certification processes in the field of Safety, Quality and Environment on the major part of our sites, and, to go further in our commitment to fight climate change, we initiated in 2016, in partnership with PUR Projet, our Climate Program, a 3-step approach which consists of:

- **Measuring** the greenhouse gas emissions related to our activities in all countries where we operate,
- **Reducing** these emissions,
- **Adapting** and **mitigating** impacts of some residual emissions by financing ecosystem restoration projects through reforestation and agroforestry.

This positive momentum encourages us to continue to reduce our emissions while **contributing to the development of local communities**.

At the end of 2017, we achieved the first part of our goals: measurement of greenhouse gas emissions in 85% of the countries where we operate; development of action plans with our suppliers for sustainable supplies, with lower CO₂ emissions; actions to optimise the operation of our sand driers in order to reduce emissions by 20% by 2020; planting of 24,330 trees as part of 10 agroforestry projects in the main countries where we are present.

Our ambition is to **integrate these sustainable development actions into all our activities** in order to contribute to the growth of sustainable construction.

About

Major player in construction chemicals, PAREX is a world leader, specialist of dry mix, providing solutions for the building community and acting in 3 fields: facade protection and decoration, tile setting and flooring systems, waterproofing systems and technical solutions for concrete and civil engineering.

We operate in 22 countries with 72 production sites and bring together 4,400 employees worldwide. Our ambition is to be the preferred partner on our markets and in the local economic and social structure around our sites.
Why is your company committed to fighting climate change?

The Rabot Dutilleul Group places sustainable development at the core of its strategy, “for real”. We want to provide construction and renovation projects that make territories more environmental friendly through specific know-how and techniques. Following that spirit, Rabot Dutilleul chose to support the Green Solutions Awards and in particular the sustainable renovation category.

Construction does have impacts: energy consumption, greenhouse gas emissions, decline of biodiversity, increase of toxic elements, etc. However, unlike in other sectors like fishery and air transport, solutions exist for most of the issues. We consider it would be a crime not to implement them.

What actions have you put in place regarding sustainable development/CSR?

Rabot Dutilleul structures its development on a strong environmental approach: design and construction of low carbon buildings (BCC), HQE certified projects, CO₂ assessment of its activities and CSR action plans. This approach allows the Group to renew its offer, while always watching its markets and environment.

Sustainable construction requires to manage energy efficiency in buildings. Rabot Dutilleul didn’t wait to follow this approach, as many projects can testify, and pushes it further to achieve excellency with the expertise of its Pouchain subsidiary, specialised in electric and climatic engineering.

The Group deploys many processes, for example (but there are many others!) to push forward the eco-design in the energy industry, without ever losing sight that the best building is the one in which the occupants feel the best.

About

As an independent international family group in development and construction (France, Belgium, Germany, Poland), Rabot Dutilleul currently counts among the 10 biggest French actors in construction. Founded in 1920, the company developed skills in complementary sectors related to the construction world, hence gaining almost full control over the real estate chain of value. Rabot Dutilleul cultivates values based on collective performance with nearly 1,500 employees and on long-term relationships with its partners. The Group is present in France, Belgium, Germany and Poland.