

Press release – March 15, 2018



# GREEN SOLUTIONS

# AWARDS

## Green Solutions Awards: The 2018 edition is on!

MIPIM – Palais des Festivals, Cannes, March 15<sup>th</sup>

Construction21 launched the Green Solutions Awards 2018 on the BNP Paribas Real Estate booth, one of the sponsors of the competition. The contest for sustainable solutions highlights exemplary buildings, districts and infrastructures around the world, in order to accelerate the environmental transition. This year, the awards ceremony will be held during COP24, in Katowice, Poland.

### Climate change: to fight and adapt



#### The word of Christian Brodhag, President of Construction21 France and international

To maintain global warming below the critical 2°C, we need to change our way to build buildings and cities. They must become more sober in resources and more resilient, in other words: adaptable.

Solutions already exist. Let's put them on display! The Green Solutions Awards prove to be the right place to promote them and inspire professionals with new practices and ideas, across the globe.

### Launch at MIPIM, with BNP Paribas Real Estate



As a **partner of MIPIM**, international fair trade for real estate, Construction21 chose the **BNP Paribas Real Estate booth to open the 2018 edition of the competition**. International actor on the real estate sector, BNP Paribas Real Estate is a long-time committed company to a more sustainable society and one of the sponsors of the Green Solutions Awards.

## Green Solutions Awards: not only buildings, but also districts and infrastructures



Since its 1st edition in 2013, the contest **expanded from buildings to districts in 2016** – with the creation of a database on exemplary districts and the urge to discuss sustainability on a city scale. It's another relevant way to appreciate and evaluate a positive energy or a bioclimatic building while taking into account the energy sources available in the neighbourhood and its urban environment.

With this new section of the competition, extremely innovative and inspiring projects have been rewarded, from the ZAC Clichy Batignolles in Paris to the Cité Tafilelt located in the Algerian desert, or even a renovated garden city in Charleroi, Belgium.

In 2017, the contest also expanded to **infrastructures and urban services**: low carbon transportation mode, innovative water and waste management systems, local green energy production, smart management of cities... Innovations aiming to curb our carbon footprint, and the category's winner in 2017 was Filtering Gardens© in Rio, Brazil, a 100% natural wastewater treatment plant using local vegetation.



### A trend indicator



The Green Solutions Awards are singular in their ability to **promote implemented solutions for free**, used by pioneers from all over the world. By analysing the case studies participating to the competition (150 in 2017) allows Construction21 to **detect trends in connection with the reality of the market**.

For example, in 2017, « **smart buildings** » **move away from the sole technological escalation to work towards common sense building intelligence**, one that serves energy efficiency in the building of course, but most of all to serve users and their well-being. The Ampère e+ building in France, winner in the category in 2017, illustrates that perfectly.

Users have become a true defining factor for sustainable construction. Several competing realisations of the 2017 edition **centered their approach around users and usages**, by genuinely **integrating the human factor into the design but also into the building management phase**. In 2017, that human factor was a recurring theme for the juries, who made it one of their ultimate criteria in their choices between extremely performant buildings.



## Exceptional visibility across the globe: 1.5 million of views in 2017



With a **broad communication plan offline and online**, the competition, its candidates, its sponsors and partners will benefit from a **massive media cover on the 12 Construction21 platforms**, on **social media** and during **specific events**.

**National ceremonies** will be held in September to reward national champions and finalists, before the **international winners gala during COP24 in December**. These events will offer an invaluable platform for national and international winners. Some projects will also be presented at partner fairs in 2018 ([Passi'bat](#), [Intermat](#), [Pollutec](#) and [Bepositive](#)).



This visibility will be reinforced by the **relays provided by the 70 media partners** of the contest: professional magazines, fairs or associations, inviting their readers and members to enter the competition. Every year, their support contributes to enriching the contest with innovative projects and to put them under the spotlights.

Every winner will be offered their **own video featuring their realisation**. Easy to share, they will be broadly disseminated on the web and on social media. A **dedicated brochure will also be published in 4 languages** to highlight the winning projects.



This whole dispositive, improved every year, generated more than **1.5 million views in 2017**, confirming the growing impact of the Green Solutions Awards and their role in disseminating innovation of the construction sector.

[The 2017 edition in figures](#)

## Main steps of the Awards 2018



## Publish your case study on Construction21.org before June 8th to participate

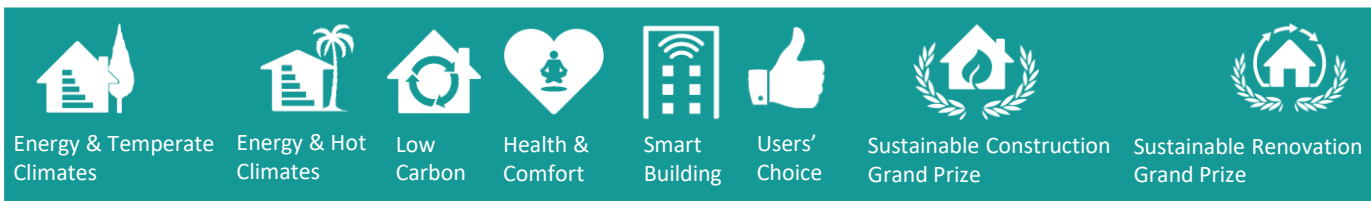
Any building, district or infrastructure featuring sustainable solutions (materials, systems, processes, approaches) and contributing to the fight against climate change can be submitted. The **application is free**. However, the submitted projects must have been **delivered between January 1st, 2013 and June 30th, 2018** (or at least a first part for districts).

To apply, you only have to publish, on the Construction21 platform matching the location of the realisation, a case study in one of Construction21's databases (Buildings, Districts, Infrastructures) before June 8th, 2018. Your case study will then be moderated and validated by the Construction21 team, for later translation and publication on the whole Construction21 network.

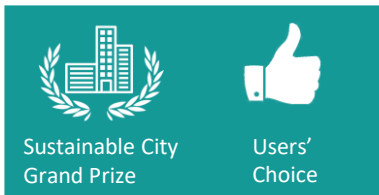
The competition welcomes **projects from all over the globe**: for countries without a Construction21 platform yet, case studies can be submitted directly on the international platform in English or in French.

## 12 prizes for a variety of climate solutions

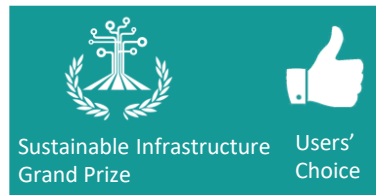
### Buildings



### Cities



### Infrastructures



## About Construction21.org



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.

With the support of



More than 70 media partners, national and international, are also promoting the Green Solutions Awards competition with their own networks.

In partnership with



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## 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 Energía – **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 4<sup>th</sup> motorway group in Europe, is owned by Eiffarie (consortium associating Eiffage and Macquarie Autoroutes de France).



Eco-district of Smartseille – Eiffage Immobilier Méditerranée ©Roger Lomini



Reforestation in the wood in Orcan © Gaël Arnaud



Hyperion Tower in Bordeaux ©Jean Paul Viguier et associés

#### 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.



## Two questions for Jean-Marc Scherrer

President, Barrisol® Normalu® Ltd Group



### ► 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**.



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BARRISOL NORMALU Ltd/ Oslo  
Opera House Architect: Snohetta  
Architects/ Federation Square  
Australia Architects: Lab  
Architecture & Bates Smart*

### ► 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**.



©Jacques Ferrier Architectures /  
Chartier Dalix Architectes / SLA  
Paysagistes

### 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.





## Two questions for Louis Engel

Safety & Sustainable Development Director, PAREX



### 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 CO<sub>2</sub> 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.



## Two questions for Rodolphe Deborre

Innovation & Sustainable Development Director, Rabot Dutilleul



### 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.



Rehabilitation of a building for WWF France headquarters, Pré Saint-Gervais, by Rabot Dutilleul Construction



Le Doge, Lille Euratechnologies by Nacarat/Rabot Dutilleul Construction © Sergio Grazia

### 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, CO<sub>2</sub> 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.