

Press release – September 29th, 2017



Solutions for a sustainable world



#GreenSolutions Awards

Green Solutions Awards 2017: 59 national champions on their way to the finals at the COP23

The results of the first stage of the Green Solutions Awards are out, each organizing country officially announced their champions. They are now qualified for the international finals and will be now examined by two juries composed of international experts. They will designate winners in each category for buildings, districts and infrastructures. The final results will be revealed on November 15th in Bonn, during the COP23, at la [Galerie by WE](#).



Awards 2017 trends: low carbon and more attention to human

150 projects entered the competition this year, including 118 buildings. 19 countries are represented, showing the growing international recognition of the contest organised. From this wide diversity of projects, we can make out some trends worth highlighting. Buildings are definitely walking the path of low carbon performance, with either innovative or traditional solutions to curb their carbon footprint. Regarding infrastructures, it is now obvious that cities and territories are moving toward green energies and more energy sober cities (smart lighting, renewable energy production, smartgrids...). Last but not least, districts embrace a broader and more comprehensive vision of sustainable cities, a vision not only technical anymore, but more human to integrate inhabitants and life.

For more information, contact Construction21.

From national champion to international finalist

To win the Green Solutions Awards, candidates have to undergo two steps: the national and the international steps. First, [buildings](#), [districts](#) and [infrastructures](#), competed each in the most fitting category for them in their own country. In each country, different thematic juries composed of specialists, examined all case studies to select their national champions in each category – candidates from countries without a Construction21 platform were assessed by a specific jury. Construction21 users also voted online to designate their national favorite and send it to the finals.

Over 150 candidates, 59 national champions are now in finals.

A world class jury

International experts were chosen to evaluate finalists in each category. Their mission is to determine the most inspiring buildings, districts and infrastructures, in accordance with the objective of the Awards: to disseminate innovation and accelerate the transition to a more sustainable world.

The Awards ceremony to be held at the COP23



The winners of the Green Solutions Awards will be revealed in [Bonn, during the COP23](#), in la [Galerie by WE](#) organized by World Efficiency Solutions in association with World Climate Summit.

Winners of the competition will receive international recognition and great visibility. They will benefit from a worldwide spread communication campaign, relayed by more than 60 media partners and professional organisations through our [online media kit](#). And each international winner will be offered a video to be broadly disseminated on the web and social media.

Even more visibility...

Following this goal to disseminate innovation, Construction21 will participate in 2 major events of the sector to highlight some of the finalists. First, from November 6 to 9, on [Batimat](#), a great international fair for the building industry: stakeholders of some of the finalist projects will be offered the opportunity to present their realisations and to answer questions from the visitors during workshops or TV sets.

Also, on [World Efficiency Solutions](#) – the international place to be for an economy sober in resources and carbon – from December 12 to 14, some of the districts and infrastructures distinguished by the juries will be highlighted.

Rendez-vous on [Batimat](#) and [World Efficiency Solutions](#) to find new sources of inspiration in sustainability!

Contest organised with the support of



INTERNATIONAL FINALISTS – “DISTRICTS”



Sustainable City Grand Prize

Ecovillage des Noés

Val-de-Reuil, France



Contractors: Siloge, City Val-de-Reuil
Construction managers: Atelier Philippe Madec et Plages Arrière
Construction company: Bouygues Bâtiment Grand Ouest
Consultancy agencies: Ampere, Tribu Conseil, Ecotone, Le cacheur, SNETA, YSOS, Terre de Lys

Eco-Cité Zenata

Casablanca, Morocco



Project holder: Zenata development corporation

Urban regeneration in Les Roquetes neighborhood

Barcelona, Spain



Contractor: City of Barcelona
Construction manager: Eurocatalana Obres i Serveis

Rehabilitation of the Cité du Centenaire

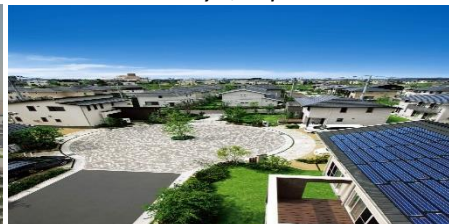
Montignies-sur-Sambre, Belgium



Contractor: La Sambrienne
Designer: Startech Management

Virtual City of Zero Energy House

Tomiya, Japan



Contractor: Sekisui House, LTD

The Jardins de Baseilles

Erpent, Belgium



Contractor: Cobelba SA
Construction manager: Cobelba SA
Designer: BURO5

Financial Town of Tianjin Dongli Lake Hot Spring Tourism Resort

Tianjin, China



Contractor: Tianjin Dongli Lake Tourism Development Head Office

LyonTech la Doua Campus

Villeurbanne, France



Contractor: Université de Lyon
Assistance to the contracting authority: Eiffage Construction
Designers: Reichen et Robert & associés, Patriarche & Co, HTVS
Construction company: Eiffage Construction
Consultancy agencies: WSP, Berim, Indiggo

National users' choices are indicated by a "like".

INTERNATIONAL FINALISTS – “INFRASTRUCTURES”



Sustainable Infrastructure Grand Prize

IssyGrid

Issy-les-Moulineaux, France



Contractor: IssyGrid
Manager/Dealer: Bouygues Immobilier
Construction companies: Bouygues Immobilier, Alstom, Bouygues Énergie et Services, Bouygues Telecom, EDF, ERDF, Microsoft, Schneider Electric, Steria et Tota, Navidis, Sevil, IJenko, EMBIX

Filtering Gardens® for wastewater and rainwater

Rio de Janeiro, Brazil



Contractor: L'Oréal
Construction company: Afonso França Engenharia
Manager/Dealer: Phytorestore Brasil

Cestas photovoltaic power plant

Cestas, France



Contractor: Neoen
Construction company: Clemessy via sa filiale RTM (Eiffage)
Manager/dealer: groupement d'entreprises RTM (Clemessy, Schneider Electric et Krinner)

Greenhouses for drying and recovery of sewage sludge

Wasmuel, Belgium



Contractor: IDEA - SPGE
Manager/Dealer: IDEA - SPGE
Construction companies: Persyn, Defroges, Druart, Munters

Shared Space Bertrange

Bertrange, Luxembourg



Contractor: Commune de Bertrange
Consultancy agency: Schroeder & Associés
Landscaper: Ernst & Partner

Intelligent Lighting @ Wavre

Wavre, Belgium



Contractor: Ville de Wavre
Construction company: SmartNodes
Manager/dealer: Réseau d'énergies de Wavre

Chenjia Town Energy Management Center

Shanghai, China



Consultancy agencies: Arcplus East China Architectural Design & Research Institute Co., Ltd

Thassalia

Marseille, France



Contractor: Patrick Berardi
Dealer/Manager: Engie-Thassalia
Construction company: Engie-Thassalia

Solar Microgrid Power for Rural School Electrification

Mpwapwa, Tanzania



Contractor: Sustenersol Company Limited
Manager/dealer: Sustenersol Company Limited

National users' choices are indicated by a "like".

INTERNATIONAL FINALISTS – “GRAND PRIZES BUILDINGS”



Sustainable Construction Grand Prize

International Highschool de l'Est Parisien

Noisy-Le-Grand, France



Contractor: Région Île-de-France –
Unité lycée (Mandataire : SAERP)
Designer: Ateliers 2/3/4/
Construction companies: CBC GTM,
Balas, Blanchard, Solstyce, Tuvaco
Consultancy agencies: SAS Mizrahi,
Éléments ingénieries, Peutz et Associés

#29soto

Pamplona, Spain



Contractor: Promociones Las Provincias
Construction manager: Construcciones
Erro y Eugui
Designer: VARquitectos

BSolutions

Gembloux, Belgium



Contractor: BSolutions
Designer: BSolutions
Construction company: Cobelba
Consultancy agency: BSolutions

Post-Disaster Reconstruction of research center for Giant Panda

Si chuan, China



Designer: Sichuan Provincial
Architectural Design and Research
Institute
Consultancy agencies: CABR
Architecture Design Institute, Beijing
University of Civil Engineering and
Architecture
**Sustainable development consultancy
agency:** Sichuan Wolong National
Nature Reserve Administration

Sol House Taghazout Bay

Agadir, Morocco



Contractor: SAPST

Student Residence 42! The Answer to all questions

Bonn, Germany



Designer: Raum für Architektur
Contractor: Projekt 42! GbR
Manufacturer: Isocell

Wooden apartment building in Steinfort

Steinfort, Luxembourg



Contractor: Fonds du Logement
Designer: Polaris Architects
Consultancy agencies: Daedalus
Engineering SARL, BETIC

National users' choices are indicated by a "like".

INTERNATIONAL FINALISTS “GRAND PRIZES BUILDINGS”



Sustainable Renovation Grand Prize

55 Amsterdam

Paris, France



Contractor: GECINA

Designer: Agence Naud & Poux

Construction companies: Aqueae, Viessmann

Consultant agencies: Egis, LTA, CEEF, Impact acoustique, Végétude

Can Portabella District Casal

Barcelona, Spain



Contractor: BIMSA (Barcelona Infraestructuras Municipales)

Construction manager: IDP Ingenieria y arquitectura iberia SL

Designer: Josep Bunysesc

Project 55

Mons, Belgium



Construction manager: Homeco

Designer: Bachelart-Delvigne architectes

Consultancy agency: Homeco

Retrofit of Hongqiao International Airport

Shanghai, China



Contractor: Shanghai Airport Authority

Construction companies: Arcplus Group PLC East China Architectural Design & Research Institute Co.,Ltd. East China Architectural Design & Research Institute

Consultancy agency: Arcplus Group PLC East China Architectural Design & Research Institute Co., Ltd.

National users' choices are indicated by a "like".

INTERNATIONAL FINALISTS “BUILDINGS”



Energy & Temperate Climates

ENSM – Maritime school of Le Havre

Le Havre, France



Contractor: Communauté de l'agglomération havraise
Construction company: SOGEA Nord-Ouest (Vinci Construction)
Designer: AIA Associés
Consultancy agency: Echos

Refurbishment project of an Alqueria

Valencia, Spain



Designer: Ana Martinez
Construction manager: Salmer restauracion y conservacion, SL

BSolutions

Gembloux, Belgium



Contractor: BSolutions
Designer: BSolutions
Construction company: Cobelba
Consultancy agency: BSolutions



ARTS Group Design & Research Center

Suzhou, China



Contractor: ARTS Group Co., Ltd
Designer: ARTS Group Co., Ltd

Humanitas University Campus

Milan, Italia



Contractor: PIEVE SARL
Construction manager: Internecto s.p.a
Designer: Filippo Taidelli Architetto - FTA
Construction companies: Landi s.p.a, colombo Costruzioni s.p.a
Consultancy agency: S. & C. S.A.S. DI ANTONIO SOMAINI

Zero Emission Green Building - Kirstein & Sauer

Bielefeld, Germany



Contractor: Kirstein & Sauer GmbH
Designers: Architekten Wannemacher + Möller GmbH
Consultancy agency: Solares Bauen GmbH

Biodiversum in Remerschen

Remerschen, Luxembourg



Contractor: Administration Bâtiments Publics
Designer: Valentiny hvp Architects
Consultancy agencies: SGI Ingenieure Junglister, BETIC S.A

Courcellor1

Courbevoise, France



Contractor: Unibail Rodamco Management
Assistance to the contracting authority: Alto Ingénierie
Construction company: GCC
Designer: Barthelemy et Grino
Consultancy agency: Dauchez Payet



Villa di Gioia

Bisceglie, Italia



Designer: Pedone Studio
Construction manager: Pedone Working



National users' choices are indicated by a “like”.

INTERNATIONAL FINALISTS “BUILDINGS”



Smart Building

Ampère E+

Courbevoie, France



Contractor: Sogeprom
Constructeur: SCO
Designer: Ateliers 2/3/4/
Consultancy agencies: INEX, Arcora, Peutz, Etamine
Innovation consultancy agency: Green Soluce

Vil·la Urània: complex of public facilities

Barcelona, Spain



Contractor: BIMSA (Barcelona Infraestructuras Municipales)
Construction manager: UTE Dragados-Acsa Sorigué
Designer: UTE SUMO arquitectes SLP
Construction company: AIA Instal Lacions Arquitectoniques
Consultancy agencies: Dekra, Q estudi. Presupuesto y mediciones
Owner: Viading

Office building of Dongguan Eco-Park Holding CO, LTD

Dongguan, China



Contractor: Dongguan Eco-park Holding CO., LTD.
Designer: Architectural Design & Research Institute of SCUT
Consultancy agencies: Beijing Tsinghua Tongheng Urban Planning and Design Institute

Residence Borgo Meschio-Vittorio Veneto (TV)

Vittorio Veneto, Italia



Construction manager: Edilvi s.p.a
Consultancy agencies: Enercret, Mosaico SRL

oKsigen et eKinox 1

Luxembourg, Luxembourg



Contractor: BGL BNP Paribas
Contractor representative: BNP Paribas Immobilier
Assistance to the contracting authority: Alto Ingénierie
Designer: M3 Architectes
Consultancy agency: Goblet Lavandier & Associés

National users' choices are indicated by a “like”.

INTERNATIONAL FINALISTS “BUILDINGS”



Health & Comfort

Farm Renovation

Neuilly l'évêque, France



Contractor: Individual
Construction company: Passiv Home
Consultancy agency: Be Thermair

Office of Triodos Bank in

Málaga

Málaga, Spain



Architect: sAtt Arquitectura abierta
Developer: Triodos Bank N.V España
Construction company: ALTAVE

HUGE – Home & small office

Messancy, Belgium



Designer: Activ'Architecture

CNPC Headquarters

Beijing, China



Contractor: China Petroleum Building Management Committee Office
Facility Manager: Zhongyou Soluxe Property Management Co.,Ltd Beijing Branch

Sol Taghazout Bay

Agadir, Morocco



Contractor: SAPST

Casa Hi-Low Shop

Grisciano di Accumoli, Italia



Designer: Pedone Studio
Construction manager: Pedone Working

Brock Environmental Center

Virginia Beach, United States



Contractor: Chesapeake Bay Foundation
Assistance to the contracting authority: Skanska
Construction company: Hourigan Construction
Designer: SmithGroupJJR
Consultancy agencies: Janet Harrison Architect

Administrative building IAK

Luxembourg, Luxembourg



Contractor: Fonds de Compensation
Designer: Arlette Schneiders Architectes
Consultancy agencies: Lux-Cec, SiTLux

WuXi Experimental

Kindergarten

Wuxi City, China



Contractor: Shanghai Landleaf Architecture Technology Co., Ltd

National users' choices are indicated by a "like".

INTERNATIONAL FINALISTS “BUILDINGS”



Energy & Hot Climates

School of Bois d’Olives

Saint-Pierre de la Réunion, France



Contractor: City of Saint-Pierre
Designer: Antoine Perrau Architectures
Consultancy agencies: Leu Réunion, GECP, BET AIR, CREATEU

Teaching and research complex of traditional Chinese medicine

Guangzhou, China



Contractor: Traditional Chinese Medical Hospital of Guangdong Province
Consultancy agencies: Guangzhou Institute of Building Science CO., LTD.

Mohammed bin Rashid Space Centre

Dubai, United Arab Emirates



Designer: Casetta & Partners
Consultancy agency: University of Bergamo

IME YÉPI KAZ

Remire Montjoly, France



Contractor: Apajh Guyane
Assistance to the contracting authority: CED Guyane
Designer: Acapa
Construction company: B2TG
Consultancy agencies: Robert Célaire Consultants, Alter

National users’ choices are indicated by a “like”.

INTERNATIONAL FINALISTS “BUILDINGS”



Low Carbon

Modular offices ZAC du Pressoir

Le Havre, France



Contractor: Communauté de l'Agglomération Havraise
Construction company: SOGEA Nord-Ouest (Vinci Construction)
Designer: Agence 6.24
Entreprise: Cematerre
Consultancy Agency: Echos

Life reusing Posidonia: 14 Public Housing rental

Formentera, Spain



Contractor: Ferrovial Agroman SA

The Green E-Park IBR

Shanghai, China



Contractor: Shenzhen Institute of Building Research Co., Ltd

Les Faubourgs of Anfa

Casablanca, Morocco



Contractor: Anfa 3B2I – Bouygues Immobilier
Assistance to the contracting authority: Bureau Veritas
Designer: Omar Aloui Architecte

Residence "Casa Cesti"- Building nZEB - Oleggio (NO)

Oleggio, Italia



Contractor: Arch. Marco Cesti
Designer: Arch. Marco Cesti
Construction manager: Arch. Marco Cesti
Construction company: A.F Impresa Edile di Allia Francesco
Consultancy agency: Enercomb S.r.l.

Maison des Yvelines - Nubian Vault

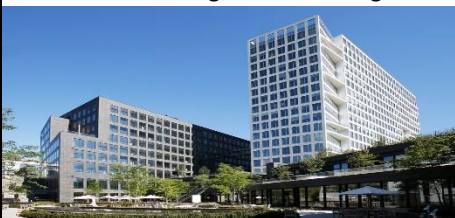
Ourossogui, Senegal



Contractor: Conseil Général des Yvelines
Construction manager: NGO Le Partenariat
Designer: AL-MIZAN Architecture
Technical expertise: Association La Voûte Nubienne
Structure: Habitat Moderne

oKsigen et eKinox 1

Luxembourg, Luxembourg



Contractor: BGL BNP Paribas
Contractor representative: BNP Paribas Immobilier
Assistance to the contracting authority: Alto Ingénierie
Designer: M3 Architectes
Consultancy agency: Goblet Lavandier & Associés

National users' choices are indicated by a “like”.

About Construction21.org

As the social media for sustainable buildings and cities, [Construction21](http://Construction21.org) 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](#).

Every year, Construction21 organises the Green Solutions Awards, an international contest aiming to promote pioneers' best practices and inspire professionals around the world. In 2017, the awards ceremony will take place at the COP23 in Bonn, Germany, on the [15th of November](#).

The 12-platform Construction21 network is both local and global. Each national platform is managed by a non-profit organisation involved in the promotion of sustainable buildings in their country. And globally, the network counts 11 national platforms in Algeria, Belgium, France, Germany, Italy, Lithuania, Luxembourg, Morocco, Romania, Spain and China, as well as an international one in English. Brazil, Canada and West Africa are the next targets. The Construction21 network expects 1 million visits in 2017 and aims for 50 platforms and 10 million visits in 5 years.

Organizations powering the competition

Members of the international Construction21 association, the chapters manage the Construction21 platform in their country:



International partners of the Green Solutions Awards

The competition is organized by the Construction21 network with the support of ADEME and the Global Alliance for Buildings & Construction. More than 50 partners are also promoting the competition with their own networks.

Also, companies committed to fighting against climate change, have joined the competition, supporting category echoing their own action against climate change: [Eiffage](#), [Rabot Dutilleul](#), [BNP Paribas Real Estate](#), [PAREX](#), [Barrisol](#), presented in the following pages.

Contest organised with the support of





Eiffage, 3rd major concession-construction company in France (64,000 collaborators, 100,000 projects, 14 billion€ in revenues), operates in construction, infrastructures, energy and concessions. From Phosphore, prospective lab on sustainable cities, to Smartseille, a multicertified and pioneering ecodistrict, Eiffage innovates to build a sustainable future and can be defined as a global contractor for sustainable cities, from responsible infrastructures to factories of the future.

3 questions for Valérie David, Director of Innovation and Sustainable Development

1 – Why did you decide to support the Green Solutions Awards?



Open innovation becomes strategic for major groups who are used to innovate from inside. By opening to other actors and creating a win-win ecosystem, our position on the market is accelerated and we respond better to the emerging B-to-B and B-to-C needs.

Environment and sustainable development accelerate the transformation of our economic model of products “bought, consumed, thrown away” toward circular economy and services.

Eiffage believes and promotes internal innovation and open innovation, as part of the company’s DNA. Two funds were created by Eiffage in January 1st, 2017 to accelerate the access to the markets for innovations. For the same reasons, Eiffage supports Construction21, a dissemination tool for our sector’s innovation, by sponsoring the Grand Prize dedicated to Sustainable Infrastructures in the Green Solutions Awards.

2 – What are, for your company, the main challenges related to the fight against climate change?

Everyone agrees that public works, construction and transports are enormous consumers of materials, energy and fossil fuels. The news reminds us on a regular basis: increase of climatic variations and exceptional weather events, fight against floods and rise of the seas, exceptional draughts are the more and more visible consequences of climate change.

We are aware of these strategic challenges for the planet and Eiffage is convinced we are at the core of the solutions.

3 – What are your solutions, in your field, to face these challenges?

From 2008 to 2012, the work of Phosphore, prospective lab on sustainable cities, gathered the professionals of the Group and outside experts to build new perspectives by imagining challenges by 2030.

We collectively imagined and proposed solutions around these 4 priorities:

- Reduce consumption of carbon materials
- Design sober buildings
- Promote transports and energy production methods with less GHG emissions
- Build sustainable cities and responsible, efficient and innovative ecodistricts



The exercise gave us a systemic vision. It also led us to create the High Quality of Life, that guides the design and implementation of the Group solutions at city level (efficient buildings, ecodistricts, eco-mobility solutions, etc.).



As an independent international family group in development and construction, Rabot Dutilleul currently counts among the 10 biggest French actors in construction. Founded in 1920, the company developed skills all along the years 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 1,750 employees and on long-term relationships with its partners. The Group is present in France, Belgium, Germany and Poland.

3 questions for Rodolphe Deborre, Innovation and Sustainable Development Director



1 – Why did you decide to support the Green Solutions Awards?

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.

2 – What are, for your company, the main challenges related to the fight against climate change?

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. Rabot Dutilleul structures its development on a strong environmental approach: design and construction of low energy 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.

3 – What are your solutions, in your field, to face these challenges?

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.





BNP Paribas Real Estate, subsidiary of BNP Paribas and one of the leading real estate services companies on an international scale, is offering a full range of services that span the entire life cycle of real property: promotion, transaction, advisory, valuation, property management and investment management. With 3,900 employees, BNP Paribas Real Estate offers its clients its knowledge of local markets in 36 countries (16 direct locations and 20 more through its network of alliances that now represents more than 3,200 people) with more than 180 offices.

3 questions for Catherine Papillon, Global Head of Sustainable Development/CSR



1 – Why did you decide to support the Green Solutions Awards?

The Green Solutions Awards is a contest that takes into account the different topics of sustainable development we are focusing on: social, energy, environmental and economic performance; well-being of occupants; integration of the different types of buildings into the surrounding districts; energy solidarity between buildings, etc.

Furthermore, the Green Solutions Awards highlight concrete and innovative solutions that all the industry can benefit from.

We also particularly appreciate the high standards for the recruitment process of participants, as well as the quality of the jury, which includes real estate experts.

For all these reasons, and because 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, we support Construction21 and the Green Solutions Awards for the second year in a row.

2 – What are, for your company, the main challenges related to the fight against climate change?

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.

3 – What are your solutions, in your field, to face these challenges?

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,

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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 solutions allowing electric vehicle pooling, and of urban garden terraces, among other solutions.



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 21 countries with 69 production sites and bring together 4,100 employees worldwide.

We focus on developing our activity over the long term and aim to bring innovative solutions and products for sustainable construction. Our ambition is to be the preferred partner on our markets and in the local economic and social structure around our sites.

3 questions for Louis Engel, Safety and Sustainable Development Director of PAREX

1 – Why did you decide to support the Green Solutions Awards?



Our Sustainable Development program “Building Responsibly” is based on 4 commitments: innovating for our clients, preserving the environment, taking care of our employees, anchoring our activities locally. These commitments are fully in line with the partnership we have with Construction21, whose contest, the Green Solutions Awards, honours the most innovative solutions in sustainable construction. Convinced that this social media will help to effectively develop and share solutions for a more sustainable construction, we believe it is essential to be one of its partners.

2 – What are, for your company, the main challenges related to the fight against climate change?

The building energy consumption represents nearly 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 mobilized and we have decided to play our part in this revolution, which is not only a technological, but also a cultural one.

3 – What are your solutions, in your field, to face these challenges?



For several years in France and more recently in the United States, in China, in Spain, in United Kingdom and in Chile, we have taken an active role in improving the thermal efficiency of buildings by developing our External Insulation Finishing System (EIFS) offer.

To go further in our commitment to fight climate change, we initiated in 2016, following the Paris Agreement, our Climate Program, a 3-step voluntary approach which consists of:

- measuring the greenhouse gas emissions by end of 2018 in all countries where we



operate,

- increasing our efforts to reduce these emissions,
- adapting and mitigating impacts of some residuals emissions by contributing to develop agroforestry programs in 11 countries around the world, close to the communities where we operate.



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® ”.

3 questions for Jean-Marc Scherrer, President of Barrisol® Normalu® SAS



1 – Why did you decide to support the Green Solutions Awards?

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, 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.

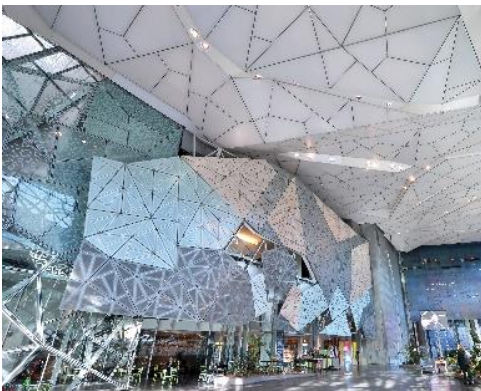
Barrisol® system was imagined to use 20 times less raw materials than a standard product. All the Barrisol sheets and profiles made of aluminium are 100% recyclable.

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.

2 – What are, for your company, the main challenges related to the fight against climate change?

Using fewer natural resources and less energy. The optimisation and the recycling of our products contribute to the reduction of waste.



3 – What are your solutions, in your field, to face these challenges?

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.