

# **ALPHA GLOBAL DESIGN**

**ALPHA GLOBAL DESIGN** is a design company in the fields of environment, ecology, Urbanism, urban development, building, energy, transport, civil engineering, infrastructure, highways Various Networks, water and agriculture. It concretizes the partnerships created for more than 20 years by ATEVE INGENIERIE with specialized design companies, the best in their fields. ALPHA GLOBAL DESIGN offers design and project management groups bringing together the world's best specialists who are pioneers in sustainable and environmental design.

**ALPHA GLOBAL DESIGN** benefits all public and private project owners, states, cities, regions and companies from the synergy created by the collaborative pooling of the experiences of the best specialists and their expertise in all areas of spatial planning design.

Thanks to these multidisciplinary teams bringing together the best designers working in collaboration, ALPHA GLOBAL DESIGN provides project owners with a global design offer of optimized, innovative, environmental and sustainable solutions. In addition, for each operation, ALPHA GLOBAL DESIGN creates local agencies and sustainable partnerships with the best local actors in order to share know-how and optimize the approach to local specificities. Thus, the economic benefits of the operations benefit primarily the economy and the inhabitants concerned by the developments. ALPHA GLOBAL DESIGN recommends as a priority locally controlled processes improved by calculation methods and High Tech processes, the use of local, recycled and/or recyclable materials. ALPHA GLOBAL DESIGN favours constructive processes that promote the long-term employment of the local workforce. This approach makes it possible to sustainably boost the local economy, reactivate and sustain wirelines, local know-how and the exploitation of locally available resources, while optimizing the carbon footprint of operations. ALPHA GLOBAL DESIGN thus brings the greatest possible benefits to project owners, but also to employees who will work on operations ensuring them work beyond one operation and to future inhabitants by creating maximum positive local economic benefits and creating resilient, sustainable and environmental developments.

#### **Towards the frugal city of tomorrow**

With its experience in designing the sustainable city, ALPHA GLOBAL DESIGN is currently working to design the city of tomorrow, adapted to the post-oil, low-carbon, frugal, resilient, autonomous world, in harmony with Nature, more desirable.

## Illustration of the approach of ALPHA GLOBAL DESIGN – Construction of the Lycée des Métiers de Bâtiment de Longoni in Mayotte



Construction of the Lycée des Métiers de Bâtiment de Longoni in Mayotte  
<https://www.ateveingenierie.com/mayotte>

**Keywords:** Flooding; diversion; watercourse; control of water flow rates; Reservoir pavements; draining embankments; phytoremediation; rainwater; wastewater; bamboo; reuse; photovoltaics; solar thermal; site concrete; BTC (Raw Earth Brick);

**Context:** The French Ministry of National Education, Higher Education, Research and Innovation has launched a competition to build and develop the Lycée des Métiers du Bâtiment (LMB) in Mayotte, which can accommodate more than 2,000 students. The site is complex because it is located both on a flood zone by overflow of rivers and by marine overflow during cyclonic periods. In addition, it is subject to seismic risk, the risk of ground movement and landslide.

**Group of partners:** Encore Heureux (Architect agent) - Co-Architectes (Associate architects) – ATEVE INGENIERIE (Urban Engineering – Hydraulics – Outdoor development – Roads External Networks) - Integral Engineering (Tropical environmental quality—structure) - EVP Engineering (general structure) - Gaujard technologie scop (wood structure) - BE Vessière (Construction in compressed earth blocks) - - Biotope (Environment) - CSTB (natural ventilation) - T&E Engineering (fluids) – REEC (Economist)

**Location:** Mayotte

**Operation area:** 7ha

**Amount of work:** 70 M€

**Years of completion:** 2019-2023

**Techniques:** Deviation of watercourses; control of water flow rates; Reservoir pavements; draining embankments; phytoremediation of rainwater; phytoremediation of wastewater by bamboo planting; reuse of rainwater; reuse of treated wastewater; photovoltaics; solar thermal; site concrete; BTC (Raw Earth Brick)

**The project:** Thus, to allow the high school to see the light of day as it was designed with a sufficiently **diffuse building to optimize natural aeration and bioclimatic cooling**, the high school's footprint was **freed from the risk of flooding** by the **diversion and channeling of a ravine** and a **modification of altimetry**. The hydraulic development includes :d **draining embankments, permeable reservoir pavements, underground rainwater retentions, flow limiters and storm weirs, landscaped nodes and basins with a water storage and phytopurification** function from work areas, parking lots and roads. However, runoff from part of the southern car park is treated by a **decanter-deoiler - hydrocarbon separator** in order to save surfaces to be developed. Specific hydraulic installations also make it possible **to control the flow speeds of water in the ravine** thus avoiding the overflow of water on areas where naturally the flow speeds were lower.

**This hydraulic system makes it possible to manage the rainwater of the LMB and its surroundings for all rainfall up to an occurrence 100 years without flooding on the LMB or worsening the risk of flooding downstream of it.**

Part of the rainwater is **stored** to be **used to feed toilet flushes, watering and cleaning the floors** thus saving **drinking water**.

The central mound of the land presenting risks of landslide and movement of the ground is preserved in the quasi-natural state thus creating in the heart of the high school a **biodiversity reserve connected to the external natural areas by natural corridors**. Only a stabilization of the slopes at risk of landslide is provided for by **plant engineering** techniques. One option was considered to **treat LMB wastewater by phytopurification by bamboo planting**. This technique has the advantage of being **compact, not creating wetlands favorable to the proliferation of mosquitoes, not generating sludge and producing bamboos allowing carbon capture and providing a material with many possible uses: firewood, construction, parquet floors, furniture, furniture**. In addition, the water thus treated is suitable **for reuse for toilet flushing and watering thus increasing the degree of autonomy of the high school with regard to its water needs**.

The pedestrian paths are provided in **site concrete** made with the floors of the site.

The LMB is also **exemplary and innovative** by the **diversity of construction techniques** used, some of which **reactivate traditional sectors in Mayotte such as raw earth brick (BTC) by modernizing them in order to adapt them to the seismic risk and to increase the possible construction rates**.

**The aeration** of buildings and outdoor spaces is **natural** and includes a **bioclimatic cooling of buildings and exteriors** by creating **shaded outdoor cool areas where stored rainwater participates in the cooling by evapotranspiration of plants and evaporation at the level of permeable soils**.

The LMB also achieves a **degree of energy autonomy** by installing **photovoltaic panels** and **solar water heaters on roofs** for the production of domestic hot water.

**Non-exhaustive lists of companies with which ATEVE INGENIERIE has carried out operations that can potentially participate in "French dream teams" of design**

Project Management – Urban Engineering



<https://www.ateveingenierie.com>

**ATEVE INGENIERIE is a pioneer and innovator in the ecodesign of the "city-nature" of tomorrow and initiator of ALPHA GLOBAL DESIGN**

The TECHNICAL DESIGN OFFICE ATEVE INGENIERIE is a pioneer in ecodesign, sustainable urban development and High Environmental Quality applied to Roads Various Networks. Having a unique experience acquired through numerous studies and achievements (more than 700), ATEVE INGENIERIE applies an original and always innovative approach that makes it possible to design for each operation optimal technical solutions, adapted to the particular context, sustainable, sustainable, ecological; resilient; frugal and economic in the short, medium and long term; for which the maintenance, scalability and life cycle of the structures are thought from the design phase.

ATEVE INGENIERIE conducts a permanent Research and Development work integrated into project management missions, which makes it possible to develop and in practice innovative sustainable, ecological and resilient urban design systems.



Project management framework contract for urban development works for the city of Paris

<https://www.ateveingenierie.com/accord>



Mauritania's first urban ecopark  
<https://www.ateveingenierie.com/mauritanie>



Garden city of chatenay-Malabry  
<https://www.ateveingenierie.com/copie-de-chatenay-malabry>



**Louis de Vion School Group - MONTEVRAIN**  
<https://www.ateveingenierie.com/06-montvrain>



**Reconstruction of the College of Saint-Donat-Sur l'Herbasse**  
[chrome-extension://efaidnbnmnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.ateveingenierie.com%2F\\_files%2Fugd%2F892e07\\_8ff466a8698a416f905cbbde896cd20d.pdf&clen=879434&chunk=true](chrome-extension://efaidnbnmnnibpcajpcglclefindmkaj/viewer.html?pdfurl=https%3A%2F%2Fwww.ateveingenierie.com%2F_files%2Fugd%2F892e07_8ff466a8698a416f905cbbde896cd20d.pdf&clen=879434&chunk=true)



Extension—Construction of a school group and the Jean Mermoz leisure centre in Rosny-sous-Bois



CONSTRUCTION - REHABILITATION OF THE ETHEL AND JULIUS ROSENBERG SCHOOL GROUP IN LA COURNEUVE





Construction of a school group in Rennes  
<https://www.ateveingenierie.com/renne>



Construction d'un groupe scolaire à Perthes en Gatinais  
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**requalification des espaces extérieurs de l'institut de l'Assomption (Rue de Lübeck Paris 16ème)**  
<https://www.ateveingenierie.com/cours-d-ecole>



**construction de 190 logements pour étudiants et chercheurs**  
**Paris (75)**  
<https://www.ateveingenierie.com/13-cit-universitar>

**Artelia** is an international multidisciplinary consulting, engineering and project management group. Combining strong skills in **mobility, water, energy, building** and **industrial** engineering, Artelia offers a full range of services, from expertise to the delivery of complex projects: consulting, studies and master plans, project management, project management, project management, asset management and global markets.

**Joint operation between ARTELIA & ATEVE INGENIERIE: support for the PLEYEL operation**

<https://www.ateveingenierie.com/gare-pleyel>



Pleyel urban crossing competition in La Courneuve

<https://www.ateveingenierie.com/gare-pleyel>

<https://www.arteliagroup.com>

<https://www.integrale.re>

**INTEGRALE Ingénierie** is a generalist design office specialized in commercial and industrial building engineering in tropical environments, leader in the Indian Ocean and Africa.

**Operation carried out jointly between INTEGRALE & ATEVE INGENIERIE: The construction of the Lycée des Métiers du Bâtiment in Longoni in Mayotte** (see reference above - <https://www.ateveingenierie.com/mayotte>)



Construction of the media library of Saint Leu in Reunion Island  
[https://www.integrale.re/nos\\_projets/mediatheque-de-saint-leu](https://www.integrale.re/nos_projets/mediatheque-de-saint-leu)

**PHILIPPE RHAM ARCHITECTES**

<http://www.philipperahm.com>

**Philippe Rahm** (born in 1967) is a swiss architect, principal in the office of “Philippe Rahm architectes”, based in Paris, France. His work, which extends the field of architecture from the physiological to the meteorological, has received an international audience in the context of sustainability. He has taught architecture design at the GSD, Harvard University, USA, from 2014 to 2016. In 2002, Mr. Rahm was chosen to represent Switzerland at the 8th Architecture Biennale in Venice, and was one of the 25 Manifesto's Architects of Aaron Betsky's 2008 Architectural Venice Biennale. He participates in 2017 at the Architecture Biennales of Chicago and Seoul. His recent work includes the first prize for the Farini competition in Milan in 2019, a masterplan for a 62 hectares new district and a 15 hectares park, the First Prize in 2011 for the 70 hectares Taichung Gateway Park (Jade Eco Park / Central Park) in Taiwan, completed in 2018, the First Prize for the 1800 m2 Agora of the French National Radio in Paris, a 2700 m2 Exhibition architecture for the Luma Foundation in Arles, France. Monographic books include “Physiological architecture” published by Birkhäuser in 2002, “Distortions”, published by HYX in 2005, “Environ(ne)ment: Approaches for Tomorrow”, published by Skira in 2006, “Architecture météorologique” published by Archibooks in 2009 and “Constructed atmospheres” published by Postmedia, Milan, Italy, in 2014. He is nominee in 2009 for the Ordos Prize in China and in 2010 and 2008 for the International Chernikov Prize in Moscow. He has participated in a number of exhibitions worldwide (Archilab, Orléans, France 2000; SF-MoMA 2001; Centre Pompidou, Paris, 2003-2006 and 2007; Louisiana museum, Denmark, 2009; Guggenheim Museum, New-York 2010, Maxxi, Rome 2014). In 2007, he had a personal exhibition at the Canadian Centre for Architecture in Montreal and in 2018 at the San Francisco Art Institute. Mr. Rahm was a resident at the Villa Medici in Rome (2000). He has held professorships at the AA School in London (2005-2006), at the Mendrisio Academy of Architecture in Switzerland (2004 - 2005), at the ETH Lausanne (2006 - 2007), at the School of Architecture of the Royal Danish Academy of Fine Arts of Copenhagen (2009-2010), in Oslo at the AHO (2010-2011), at Columbia University (2016). From 2010 to 2012, he held the Jean Labatut Professorship in Princeton University, USA. He has lectured widely, including at Yale, Beijing Forum, UCLA and the ETH Zürich. In 2018, he is the editor of the “Meteorology” column for the international architecture magazine Domus.

**Operation carried out jointly between Philippe Rham & ATEVE INGENIERIE: competition for the requalification of the outdoor spaces of the Centre d'affaires de la Défense in Paris**





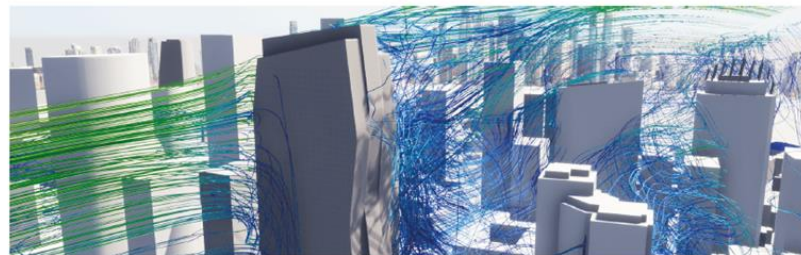
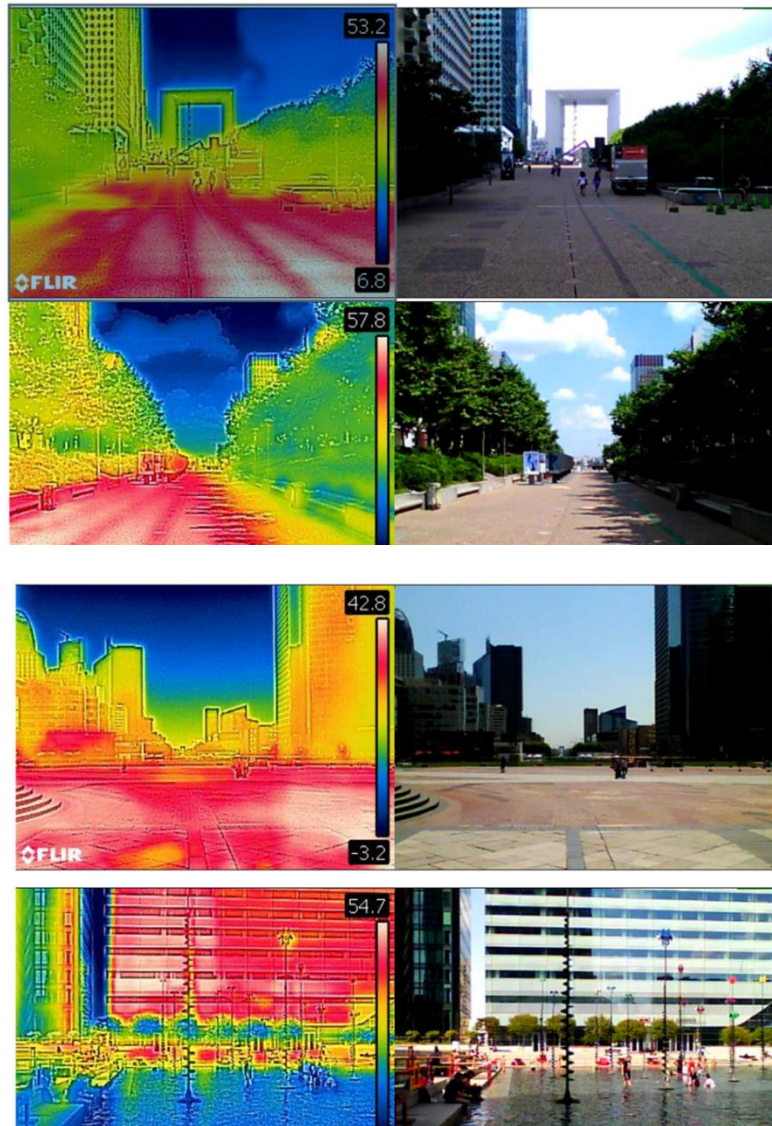
Restricted offer for the requalification of the outdoor spaces of the Defence Business Center in Paris

### Background

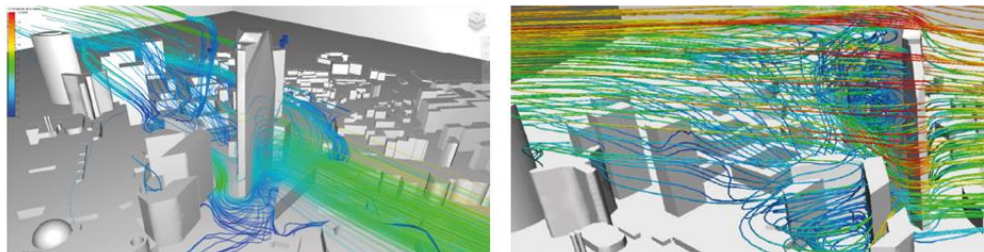
The Esplanade de la Défense is located in the heart of the district with the same name. This district is the **1st European business center** and must be completely **redeveloped this large space currently largely mineralized**. Its **delivery is scheduled before the 2024 Olympics**. The esplanade extends over a space of more than **7 ha mainly on slab**. The objective is **to renature the central esplanade of La Défense** by developing **urban biodiversity**, creating areas of **freshness**, **developing gentle modes of travel**, **multiplying the uses of spaces** and thus **improving the living environment of inhabitants and users**.

### Details of the techniques used

The **valorization of rainwater management is one of the major axes of the project**. The project provides: the **enhancement of rainwater circulation**, the **permeabilization and revegetation of soils** in order to **develop a living soil**, **renaturation of tree feet**, **use of roofs and facades for revegetation and control of runoff**, **misting systems**, etc. This redevelopment, on slab, allows a total **renaturalization** while keeping **the state of mind of the French garden**, already revisited during the creation of the esplanade. It is also **important to preserve the visual axes specific to this space** while **making it more natural**. This also involves a **differentiated management of spaces** such as, for example, the incorporation of **islands of freshness** thanks to the creation of **visible water threads (gutters, landscape knots, landscaped basins)** of **planted spaces** where **evapotranspiration is promoted**, **shaded areas** creating **islands of freshness**.



*Exemple de modelisation informatique des vents présents à La Défense (société INEX, sous-traitant de notre mission)*



*Exemple de modelisation informatique des vents présents à La Défense (société INEX, sous-traitant de notre mission)*

Restricted offer for the requalification of the outdoor spaces of the Defence Business Center in Paris



[Jade Eco Park / Central Park\) à Taiwan](#)

<http://www.philipperahm.com/data/projects/taiwan/index.html>

<https://www.youtube.com/watch?v=UDr-6UtlUu8>





<http://www.aaupc.fr>

#### **PATRICK CHAVANNES**

Born in 1953, an architect since 1981, and a winner of PAN XII, Patrick Chavannes established his own office in 1982 upon receiving his first commission from the RIVP for the design of 80 apartments in the Rue des Prairies in Paris' 20th arrondissement. In 1989 and 1990 he was awarded the Palmarès de l'Habitat by the City of Paris for his Rue des Prairies housing and his combined housing and artists' studios in the Rue de Bagnolet.

Patrick Chavannes teaches at the Brittany Architecture School and was an advisor to the Ministry of Public Facilities until 2001.

#### **TEAM**

Today, Agence Patrick Chavannes has expertise in the three areas of architecture, urban and landscape design. It consists of a multidisciplinary team of around 30 architects, urban and landscape designers, technical and computer draftspersons. An administrative team manages the office's financial, social and logistical affairs.

The office has acquired enormous know-how in the field of urban design, from the carrying out of urban analyses to the execution of projects from the scale of the individual plot to that of entire urban areas. Most particularly, it has an expertise in a range of urban issues - from mobility and transport which it has addressed in a series of projects for multimodal hubs to mix, density and urban form and the crucial issue of scale. In addition to this, the office has enormous experience in the area of landscape design thanks to its fully integrated team of highly qualified and experienced landscape designers.

The office is also home to a sustainability research centre which trains the team in such areas as eco-districts and the complex question of sustainable urban development. This research centre is headed by an urban geographer who holds a Cifre and acts as a consultant to the office.

Patrick Chavannes was first invited to work in China on major international competitions in 2003. In 2008 he established an office in the city of Canton in which approximately 15 French and Chinese architects and urban and landscape designers work on both competitions and direct commissions for large urban design projects as well as the execution phases of projects for the redesign of public spaces. This year, the office has completed a number of significant projects including a winning project for the urban remodelling of the Island of Nankin which has been recognised for its environmentally excellent urban and landscape design solution.

**Operation carried out jointly between AAUPC & ATEVE INGENIERIE : ZAC des Bords de Seine à BEZONS**

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ZAC des Bords de Seine in BEZONS

<http://www.aupc.fr/projets/recherche?search=bezons>



INTERNATIONAL FINANCIAL FORUM, GUANGZHOU, Guangzhou, China, 2019

<http://www.aupc.fr/projets/fiche/id/192>



ECO DESIGN TOWN, Guangzhou, Chine, 2019  
<http://www.aupc.fr/projets/fiche/id/199>



BERGES DU FLEUVE XIJIANG , Foshan, Chine, 2018-2019  
<http://www.aupc.fr/projets/fiche/id/210>



<https://www.biodigitalcity.org/>

The Studio produces, through digital, self-organized and intelligent urban prototypes, models of hyper-recycling cities, algorithmic architectures, bio-optimized agriculture, individual and collective organizations with more Solidarity, more sharing, all beneficial to the planet.

It is a question of identifying, using, valuing and interacting in urban and rural projects the most cutting-edge technical, scientific, industrial and sociological knowledge. Starting from new materials, new techniques, new know-how, new ways of life, the objective is to design, build and manage the cities by optimizing and innovative methods (algorithms, modeling, optimization Set up, collaborative work, etc.).

The International Experimental Studio for Bio-digital city is a non-profit association.



<https://www.baseland.fr/>

BASE est un atelier de paysage et d'urbanisme

### **Operations carried out jointly between BASE & ATEVE INGENIERIE :**

**Forecourt and patios of MICHELIN's head office in Clermont-Ferrand**<https://www.ateveingenierie.com/michellin>

**Parc du "Fil de Loire" in Orleans**<https://www.baseland.fr/projets/orleans-fil-de-loire>

**Plage panoramique de l'opération « Fenêtre sur Loire »** <https://www.baseland.fr/projets/nazelles-negron-plage-panoramique-de-loperation-fenetres-sur-loire>

#### **Eco ZAC Mennucourt**

[Chrome-](#)

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#### **Porte Pouchet Competition in Paris**

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#### **Soft link of the Bois de l'Etang district to La Verrière**

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#### **Haut de Seine – Development of the banks of the Seine in Boulogne sur Seine – Study and urban programming**

ALPHA GLOBAL DESIGN



Parc du Fil de Loire in Orleans

<https://www.baseland.fr/projets/orleans-fil-de-loire>



Panoramic beach of the operation "Fenêtre sur Loire"

<https://www.baseland.fr/projets/nazelles-negron-plage-panoramique-de-loperation-fenetres-sur-loire>

# ATELIER D'URBANITE ROLAND CASTRO

<http://www.castrodenissof.com>

The Roland **Castro** urbanity workshop, located in Paris, specializes in the development of urban and architectural projects.

**Operation carried out jointly between Castro Denissof & associés & ATEVE INGENIERIE: Eco district of the Plateau des Capucins in Angers.**



Ecodistrict of the Capuchin plateau in Angers

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Report of the mission entrusted by the President of the Republic to Mr. Roland Castro

# Coldefy

<https://coldefy.fr/fr>

**Coldefy** brings a new type of pragmatism through its projects. Convinced that buildings influence our behavior, just as they shape our cities, Coldefy bases its work on social and sensory experience at the very core of and beyond the matters of aesthetics. Practicing sensitive architecture that is connected to nature and open to the landscape, Coldefy envisions buildings as a desire for tranquility and as opportunities to escape a frenzied pace of living.

Projects by Coldefy leave ample interstitial space, which facilitates a free flow and encourages encounters. They place themselves at the borderline between nature - through the context in which they are based – and personal narratives. These buildings thus reflect the life of their inhabitants and users, becoming spaces for living and communicating. Each Coldefy project leans on three fundamental values: urbanity, clarity and phenomenology.

## **urbanity**

Through its projects, Coldefy seeks to respect the identity of territories while generating new landmarks. By respecting the continuity of the existing structure as part of a perpetual urban experience, Coldefy creates a dialogue between their designs, public spaces and inhabitants.

## **clarity**

Coldefy carefully considers the transparency and opacity of its projects in order to pursue a two-fold objective: seeing and being seen. It's a matter of creating intimacy within the building without raising barriers between the structure and its surrounding environment. Coldefy particularly strives to achieve the highest level of acceptance from the local residents by helping them best understand the space and context.

## **phenomenology**

Considering the city as a living organism that constantly evolves and transforms itself, Coldefy encourages interaction and encounters. Its buildings truly are “village commons”, with public spaces perfect for communication, favoring exchanges and connections.

## **Coldefy embodies a legible, sensitive, lively and innovative architecture, giving true quality of life to users.**

By revisiting typologies of everyday buildings, architects shape the human environment, design stimulating spaces, and forge social connections.

What are my needs? What do I want?

By asking ourselves these simple questions we return to the fundamentals that define the attitude we stand for and could be described as “new pragmatism”. The need to escape a frenzied way of living, a yearning for calm or a connection with nature are among the fundamental needs that we experience as children, yet which we lose sight of as time goes by. Aware that the buildings we inhabit influence our behavior and shape our cities, we believe that architecture should serve the senses that allow for memorable experiences. We are focused on social and sensory experiences, so that the question of aesthetics, which is inevitably subjective, takes a back seat. Individual and community energies, circulations and the project brief all influence the form that emerges. In this sense, we practice sensitive architecture.

## **Operations carried out jointly between Coldefy & ATEVE INGENIERIE :**

**Hermès leather goods from Sormonne, France**

**Quartier residential Les Promenades d'Olène in Reims, France**

<https://coldefy.fr/fr/actualites/>



Tropicalia – France  
<https://coldefy.fr/fr/projet/tropicalia>



Landmark du nouveau quartier de Qianhai - Chine  
<https://coldefy.fr/fr/projet/landmark-of-qianhai-new-city-center>





Centre International de Conférences de Ouagadougou au Burkina Fasso - Afrique  
<https://coldefy.fr/fr/projet/centre-international-de-conferences>



Ville nouvelle de Yennenga au Burkina Fasso - Afrique  
<https://coldefy.fr/fr/projet/ville-nouvelle-yennenga>

<https://www.dvvd.fr/agence-architecture-ingenierie-design>

The singularity of the agency is that it brings together in the same entity the architectural, technical design and economic control of projects.

DVVD ARCHITECTES and DVVD INGÉNIEURS are two sister companies that design barrier-free architecture and engineering.

**Operation carried out jointly between DVVD & ATEVE INGENIERIE :**

**Renovation of the Hotel accord Aréna Paris Bercy** <https://www.dvvd.fr/projet/accorhotels-arena>

**Michelin forecourt in Clermont-Ferrand** <https://www.ateveingenierie.com/michellin>

**Villetaneuse footbridge** <https://www.dvvd.fr/projet/la-passerelle-de-villetaneuse-2>

**Pleyel passage contest** <https://www.ateveingenierie.com/gare-pleyel>

**bridge and park competition in Bourg les Valence**

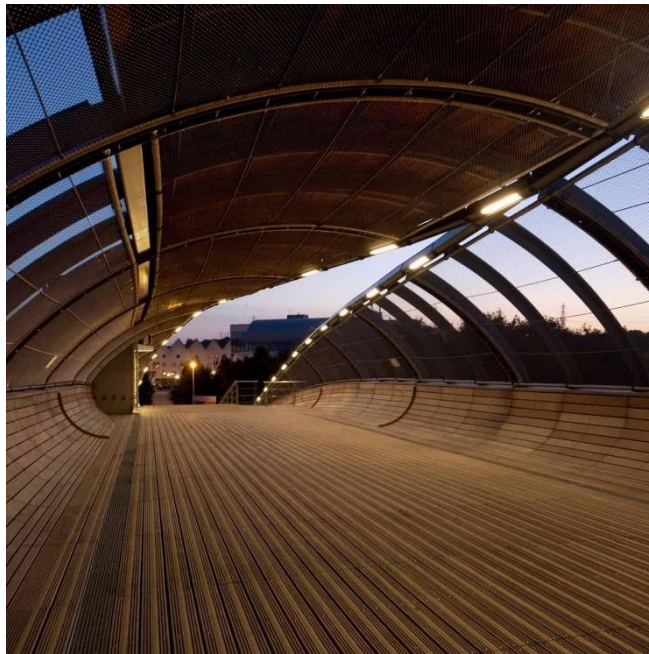
**Eco commercial park Les Promenades de Brétigny**

**School group in Montévrain**

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Renovation of the Hotel accord Aréna Paris Bercy  
<https://www.dvvd.fr/projet/accorhotels-arena>



Footbridge in Villetaneuse

<https://www.dvvd.fr/projet/la-passerelle-de-villetaneuse-2>



Footbridge over the Neckar in Hedelberg

<https://www.dvvd.fr/projet/passerelle-au-dessus-de-la-neckar>



<http://encoreheureux.org>

## **ABOUT**

First a collective of architects founded in 2001 by Julien Choppin and Nicola Delon, Encore Heureux claims a generalist practice to build building as well as installations, playgrounds, or exhibitions... At the crossroads of types and equipped with a lucid and critical enthusiasm, they imagine the conditions and prompt situations in order to inhabit the complexity of the world. In 2016, Sébastien Eymard joins in as a third partner, followed by Sonia Vu who makes partner in 2019, and the team grows to include about twenty-five creators from various backgrounds. So that Encore Heureux keeps rhyming with high standards, lucidity, optimism, and commitment...

## ***TO GO BEYOND SPECIALIZATIONS***

We strongly believe in the necessity of thinking globally, in a way that include at once people and situations, in opposition to our world of experts and specialists. We refuse labels and all the professional barcodes that are meant to provide all the informations on a merchandise and guide, on a standardized shelf, the clients' choice toward the artist, the decorator, the designer, the scenographer, the interior architect, the graphic designer, the web designer, the landscaper, the fashion designer or the architect. We obviously do not claim to be, ourselves, all of these. However, we are in favor of a sensitive and open methodology of work, of a collective process fed by as numerous as joyous partnerships. We do claim to be « globally generous » and consider the here described approach to be the only one able to allow us to accurately understand very specific issues.

## ***TO CULTIVATE ONE'S DESIRE***

Each question asked, each situation, each story is by definition unique and so requires a singular answer. To re-question the client's needs and desires at each step of our work has proven to be the sine qua non condition for a successful project. The desires thus cultivated, clarified and re-affirmed, will lead our work on the right track and nourish it with goals and point of references. We imagine our creative mission as the one of a mountain guide who, through the steep tracks of reality, has to accompany these desires safely and soundly. To do so we have a continuous ambition to find new, more reliable, more beautiful and faster paths.

## ***TO CAUSE THE UNEXPECTED***

Our team has proven itself to be a fertile territory from which countless possibilities keep emerging. To these numerous visions we add various inspiration influences drawn from the contemporary art field as much as from the one of vernacular architecture. Our work process consists of round-trips from those unbridled imaginary worlds to various forms of modeling, from stimulations to simulations. On the way, we will have to pass by the miniature stage, the cardboard model, the overall view as well as the detailed one, thanks to a game of scales from which the magic occurs that brings us back to childhood, allow us to see differently and keep awakening our curiosity.

## ***TO THINK MORE TO CONSUME LESS***

As we cannot build without materials, destruction and consumption, we cannot think of a fair and economical project without spending extra time imagining it. We consider as not only possible but also necessary the invention of new mode of construction: economically and ecologically sober, thus rich in meaning and imagination. Each situation offers a multitude of resources that only a thorough analysis may uncover. Each place is bursting with objects, memories, living and sedimented matter to be used or inspired from. To us, the relevance of a project results from a know-how to compose with what is

available to us here and now, an ability to tell new stories from a present that constantly need to be explored and re-explored.

### ***TO FORESEE THE FUTURE***

A project can only be assessed over time. If the materials can happily be worn out over time, the pleasure and comfort of use of a build needs to remain still if not improve and renew itself with the years. We cannot think of and build a shape, an object, a building without anticipating what its future will be so that they will remain flexible, rich of new and renewed potentialities and thus the hosts of countless and endless life experiences. The inauguration is a beginning, not an end. It marks a step in the course of a story that us, the creators, should be held partially responsible for, by definition as much as by conviction. Today more than ever, architects can not avoid their responsibility, their liability, toward the world that comes. The need, must and have to imagine what will be tomorrow, and what tomorrow will be.

**Operation carried out jointly between ENCORE HEUREUX ARCHITECTES & ATEVE INGENIERIE :**

### **Lycée des Métiers du Bâtiment de Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

### **Extension of Michelin's head office to Clermont Ferrand**

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### **Logements operation Jaurès – Small**

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### **Multicultural Center in Gennevilliers - EMCI des Agnettes**

<http://encoreheureux.org/projets/equipement-multiculturel-intergenerationnel/>

### **Conversion of the Grande Halle de Colombelle**

<http://encoreheureux.org/projets/grande-halle/>



Construction du Lycée des Métiers de Bâtiment de Longoni à Mayotte (la cours)  
<http://encoreheureux.org/projets/lycee-de-longoni>



Construction du Lycée des Métiers de Bâtiment de Longoni à Mayotte (l'entrée principale)  
<http://encoreheureux.org/projets/lycee-de-longoni>



Reconversion de la Grande Halle de Colombelle  
<http://encoreheureux.org/projets/grande-halle/>

# Lina Ghotmeh — Architecture

<https://www.linaghotmeh.com/>

Lina Ghotmeh — Architecture is committed to a fair and sustainable future. The practice takes an in-depth, historical, and materially sensitive approach to its projects. Each of the firm's designs is developed through a process of thorough historical research. They emerge as exquisite interventions that enliven memories and the senses. This is an "Archeology of the Future", where every new gesture reinvents the traces of the past.

**Lina Ghotmeh — Architecture** is a critically acclaimed, international firm of architects, designers, and researchers based in Paris. The firm was established by French Lebanese architect Lina Ghotmeh. Lina Ghotmeh is one of the industry's leading international practitioners, having completed several award-winning projects, including the Estonian National Museum, winner of the AFEX Grand Prix 2016, and nominee of the Mies Van Der Rohe Award 2017.

Her innovative and poetic work reveals a transversal and multi-disciplinary approach to architecture.

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Lina Ghotmeh — Architecture designs ecologically and sustainably: the studio's projects derive their aesthetics from their close relationship with nature and express the essence of the materials from which they are fashioned. Widely published, the firm's projects range in scale (from objects to museums) and geography (from France to Japan). They include "*Réalimenter Masséna*", a sustainable wooden tower in Paris, winner of the city's appeal for innovative projects; "*Stone Garden*", winner of the 2021 Dezeen Architecture Award, a residential tower in Beirut that houses the Mina Image Centre for Middle Eastern Studies; "*Hermès workshops*", a passive, low-carbon building in Normandy; and the beautiful renovation of "*Les Grands Verres*", former restaurant (2017-2020) of the Palais de Tokyo Contemporary Arts Museum, best Interior Fooding Award in 2018.

Honored with numerous Awards, Lina Ghotmeh — Architecture's work has been exhibited among venues at the 17th Biennale of Architecture in Venice, at the MAXXI in Rome, the Building Centre V&A in London, and the Danish Architecture Center in Copenhagen.

Lina Ghotmeh herself was selected by the European Architects Review as one of 10 "Visionary Architects for a New Decade". She has won awards including the AJAP Prize of the French Ministry of Culture in 2008, the Dejean Prize of the French Academy of Architecture in 2016, the Cardin Award of the French Fine Arts Academy in 2019, the Tamayouz "Woman of Outstanding Achievement" Award in 2020, the prestigious Schelling Foundation Architecture Prize in 2021.

**Operation carried out jointly between Lina Ghotmeh & ATEVE INGENIERIE:  
Precise Acts - Hermès Workshops France**



Precise Acts - Hermès Workshops France  
<https://www.linaghotmeh.com/en/actes-precis-hermes.html>



Stone Garden Logements - Beyrouth Beyrouth, Liban  
<https://www.linaghotmeh.com/stone-garden-fondation-el-khoury.html>





#### PRESENTATION OF THE SEURA ARCHITECTES AGENCY

Founded in 1988, the SEURA architectes agency groups together four associates – Florence Bougnoux, Jean-Marc Fritz and David Mangin who were joined in 2013 by Eurylice Roncen and some thirty architect/planners.

The agency is involved in both the public and private sectors, and works with a large number of developers and contractors within the framework of direct contracts and public-private partnerships. SEURA Architectes focuses on a number of different scales and has considerable skills in the fields of land use and landscaping (large operations), town planning, public spaces (urban extension, redevelopment, infrastructure works and street furniture) and architecture (new and rehabilitated buildings).

Through studies, projects and works, it explores and analyses themes that are often insufficiently examined by other architectural agencies, such as commercial urban planning, third spaces and megalopolises, in association with thinking on eco-mobility and biodiversity.

In parallel with the construction of urban projects, public spaces and housing, SEURA Architectes also won the international urban planning competition for the redevelopment of the Halles in Paris in 2004 and, since 2008, has participated in the Atelier International du Grand Paris (international Greater Paris workshop).

It is currently working on urban operations covering several dozen hectares in Toulouse, Douai and Lille Sud, providing urban coordination and the creation of public spaces. It has recently completed the construction of a new bridge for the arrival of the A7 motorway in Marseille, the Porte d'Aix gateway, the layout of town centre squares in Pessac and the construction of high environmental quality housing in Les Lilas, Grande-Synthe and Rouen. In 2013, SEURA Architectes won two housing competitions in Nanterre and Lille and continues to supervise the site works for the restructuring of the Forum des Halles and the redevelopment of the gardens – a project providing the unique experience of highly complex works taking place in a busy urban setting and within an occupied site.

**Operation carried out jointly between SEURA & ATEVE INGENIERIE :**

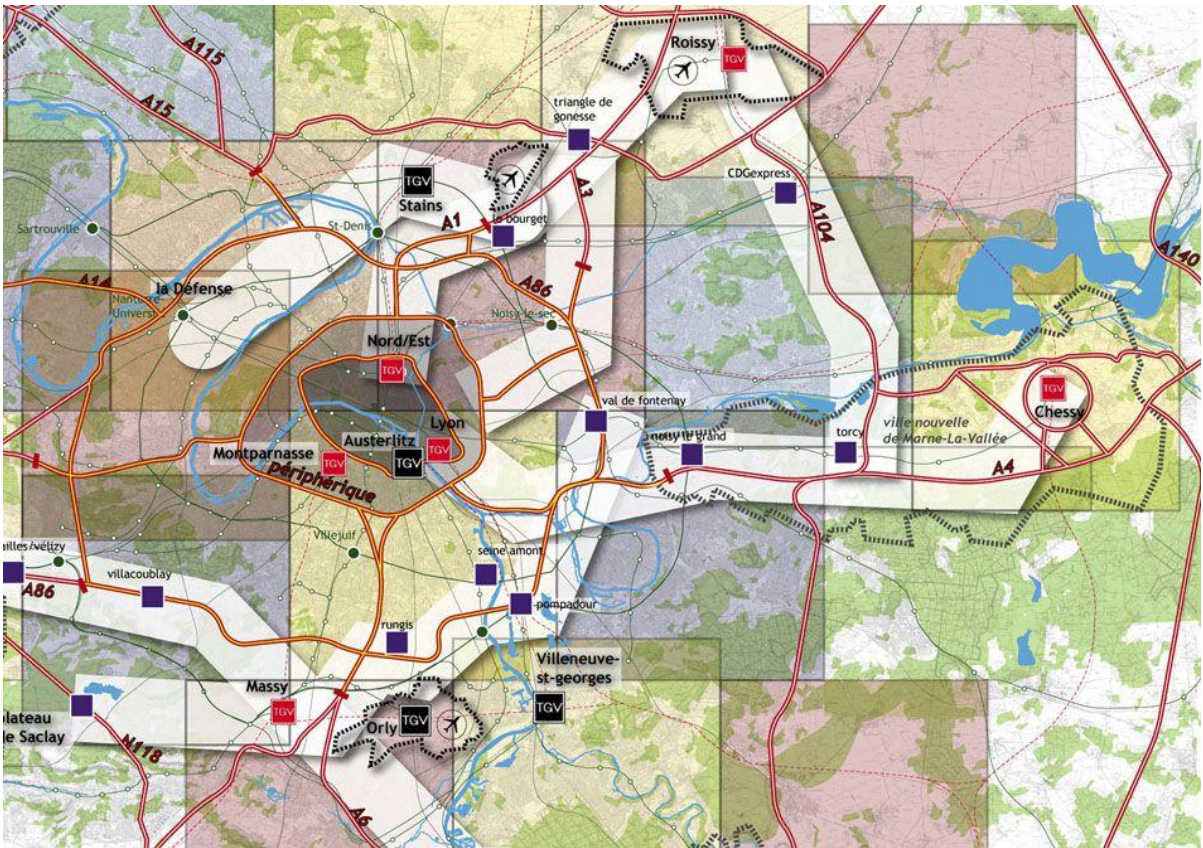
**Ecopark of the former faculty of Pharmacy**

**Development of the north quartier of rue Nationale**



Les Halles – Paris France

<http://www.seura.fr/en/projets/architecture-en/les-halles-4/>



International Grand Paris workshop – Paris France

<http://www.seura.fr/en/projets/urba/international-grand-paris-workshop/>

# W

## Willemin Architecture Landscape Design

<https://wald.paris/>

**Clément Willemin** is a landscape architect and urban planner. He was born in 1975, graduated in 2000 from the École Nationale Supérieure du Paysage de Versailles. He founded the base agency in 2000 (70 people), then his Wald agency (We Are Landscape Designers, or Willemin Architecture Landscape Design) in 2019. He is the author of more than 500 public space projects, exhibitions and conferences in France, Belgium, Switzerland, Italy, Germany, Russia, Arabia and Vietnam. He has taught landscape and urban planning in Versailles, Strasbourg, Zurich, and Vienna. Member of the ADAN, Architectural Design Association of Nippon, the administrative council of ESAJ, School of Landscapes of the Ecological Transition, alongside Jacqueline Osty and Gilles Clément, he is also a founding member of the COAL association which works for the promotion of contemporary artists committed to ecological issues. In 2019, he graduated from the Special School of Architecture, received the Urban Planning Medal of the Academy of Architecture, and published his first landscape essay: *Walden x*.

Wald is the landscape and urban planning agency founded by Clément Willemin in 2019.

Wald means forest in German, but also York Architecture Landscape Design, or We Are Landscape Architects.

Our topics are the two main topics of our time: biodiversity and climate. Our objects are urban, they are the gardens, squares, meeting places and humble fun made available to the inhabitants.

The landscape is indeed a matter of humility and sharing, pleasure and details. It is a sensitive practice of urban planning. We put our experience and energy into ensuring its accuracy and precision, development and sustainability.

The agency has in 2021 half a dozen urban planners, landscapers, architects, designers, engineers.

We are currently developing about twenty urban planning and transformation operations of all kinds: heritage sites, new housing or activity districts, public spaces, squares, parks, gardens, either under study or project management.

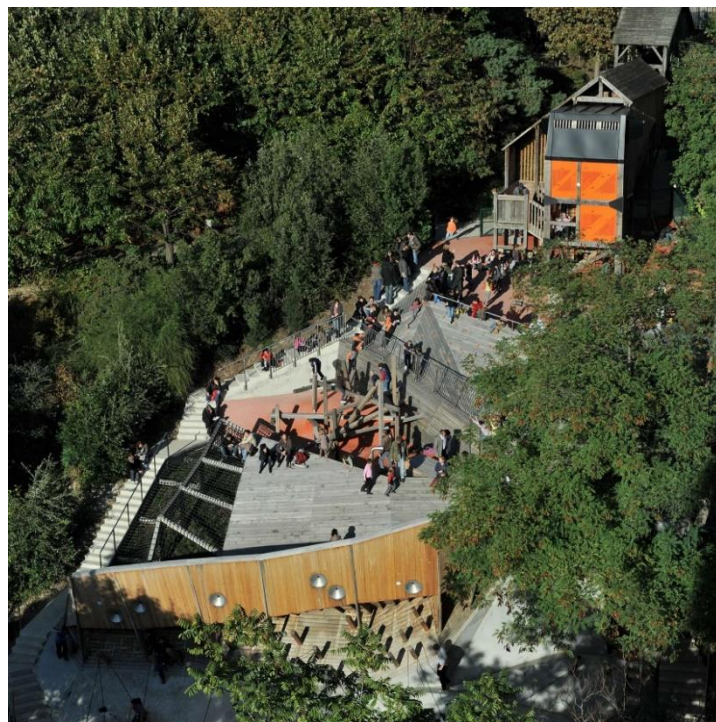
Operation carried out jointly between WALD & ATEVE INGENIERIE :

### Garden city of chatenay-Malabry



Garden city of chatenay-Malabry

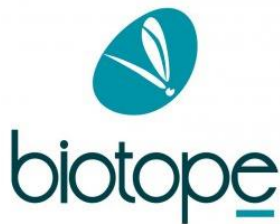
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Playground of the Parc de Belleville in Paris

<https://wald.paris/aire-de-jeu-de-belleville/>

## Environment



<https://www.biotope.fr/>

Biotope, biodiversity and ecosystem specialists

The need to protect the environment is becoming urgent and requires concrete and efficient solutions. That's what we're all about. Biotope brings together the largest team of ecologists at the European level. Our services are designed for businesses, communities, government services and NGOs. We provide consulting, regulatory studies, training and communication. Because environmental issues have no borders, Biotope conducts and supports projects and actions on all six continents and all five oceans.

**Operation carried out jointly between BIOTOPE & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>



<https://www.tribu-concevoirdurable.fr/>

TRIBU is one of the pioneers of eco-responsible design of buildings and territories. Since 1990, we have been involved in the sustainable quality of some fifty urban operations and eco-districts, nearly 300 buildings, including a dozen positive energy buildings and many other liabilities, often innovative in terms of natural ventilation and natural cooling. At a time when the challenges of the planet and its inhabitants require it, TRIBU has acquired a reputation as a very demanding design office in environmental, energy and bioclimatic matters.

**Operation carried out jointly between TRIBU & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

<https://franck-boutte.com/>

Since its creation in 2007, the agency has been composed of a team with hybrid profiles (25 employees), engineers, architects and urban planners, spread between Paris, Bordeaux and Nantes. It covers a wide spectrum of disciplines and skills (bioclimatism and passive strategies, comfort, atmospheres, health, optimization of resources, energy, water, envelope design, natural ventilation, modeling and simulation, renewable energies, carbon and LCA approach, French and foreign environmental certifications, etc.) and intervenes at all scales.

Having become a leader and reference in the fields of environmental design and engineering and sustainable development, it also provides consulting missions (assistance to project management, support for public policies, animation of networks).

Its holistic philosophy, a cross between intellectual tools, a wide range of digital tools (3D modeling, digital model and BIM, advanced simulations in energy and climate, comfort, light, aerodynamic) and experimental procedures (method development), makes it possible to respond to all environmental issues, at the scale of buildings and urban organizations by giving an important place to research.

His transversal perspective, as well as a very strong involvement in the projects, make it possible to ensure a strong and global coherence, between the conceptual choices and the technical choices.

The agency is involved in many projects, of various nature and scale that always meet strong challenges in terms of ecological transition and innovation including the renovation of the Grand Palais (with the LAN agency), the construction of the Ecole Normale Supérieure in Saclay (Renzo Piano Building Workshop), the 1000 trees project that will cover the Porte Maillot ring road (with architects Sou Fujimoto and OXO) on a building scale; as well as the urban project management for the development of the Bercy Charenton and Gare de Lyon Daumesnil sectors in Paris (for Espaces Ferroviaires), or the assistance mission on the sustainable development component for SADEV94 on Ivry Confluence, at the City and Territory scale.

She is also present in many teams for innovative calls for projects such as Reinventing Paris, Reinventing the Seine and Inventons la Métropole du Grand Paris.

The agency shares its convictions and methodologies through teaching in schools of architecture and engineering, and numerous interventions with diverse audiences. It is regularly distinguished and awarded for emblematic projects for their environmental and energy excellence.

**Operations carried out jointly between FBC & ATEVE INGENIERIE :**

**Leather goods Hermès de Louviers**

<https://www.linaghotmeh.com/en/actes-precis-hermes.html>

**Garden city of chatenay-Malabry**

<https://www.ateveingenierie.com/copie-de-chatenay-malabry>



<https://zefco.fr/>

We are Zefco, the workshop of the city in transition. A team looking for a new relationship with the living and committed to the fight against climate change and resource depletion. We advocate a technical and sensitive approach to environmental quality, using both performance and consideration of uses. Between consulting and engineering we intervene on development and real estate.

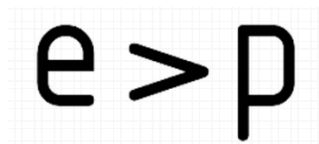
**Operations carried out jointly between ZEFCO & ATEVE INGENIERIE :**

**Reconversion of the industrial site of the Desgénétais wasteland in Bolbec**

<https://www.ateveingenierie.com/bolbec>

**Leather goods Hermès of Sormonne**

Structure



<https://www.evp-ingenierie.com/>

EVP (En Vertu des Possibles - By virtue of the possibilities) develops its activity around the conviction that a relevant engineering production is part of a specific context: production framework, local coherence and inventory, global economy, accessible regulatory framework and temporality of execution...

The extent of possibilities must be explored to serve the project and its coherence. The clarity of the architectural intentions depends on the assimilation of these different parameters.

The experience developed by "by virtue of possibilities" allows us to consider, at each stage of the project development, the use of distinct and competitive materials, techniques and construction processes.

EVP studies the structures of buildings or small works of art and intervenes in association within the project management team, from the sketch to the delivery.

We develop our thinking as close as possible to the intentions of the architect, urban planner or landscaper.

The structural study, whatever the size of the structure, cannot be limited to an approach centered on the statics and construction of the object but strives to weave links and coherences with the global intervention it accompanies.

The EVP engineering team, about thirty people, architects, engineers or building technicians, intervenes from the early stages of the design in order to propose and optimize the construction and structural arrangements in coherence with the architectural project.

We are convinced that a design integrating current environmental and constructive issues necessarily requires a synergistic approach organized around the fundamentals of the project.

**Operations carried out jointly between EVP & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

**Leather goods Hermès of Louviers**

<https://www.linaghotmeh.com/en/actes-precis-hermes.html>

# Gaujard Technologie SCOP

<https://www.bet-gaujard.com/>

Gaujard technology is a pioneer in wood construction.

Building in wood, a necessity? an opportunity? a job? an art ?...

Fun above all. A pleasure that we share in our teamwork in SCOP (Cooperative and Participatory Society). A pleasure that we wish to share with all the stakeholders in the act of building: project owners, architects, BET, companies. A desire that we want to communicate to students architects, engineers, carpenters. Thank you for your visit. We hope that you will find the answers to the questions you have.

**Operations carried out jointly between EVP & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>



<https://www.vessiere.com/fr/>

Bureau d'ingénierie Vessière is a pioneer in mud brick construction

Based in Grenoble, with an annex in Paris, Le BE Vessière is a STRUCTURE & ENVELOPPE design office that participates in the act of building with the Architects.

Involved in public and private markets, in new construction or heritage rehabilitation, the skills developed include diagnostics, DESIGN and EXE / CONSTRUCTION site in Stone / Concrete / Earth / Wood / Steel materials.

A special skill is brought on the constructions in raw earth, adobe and cast.

The human character, above all, we favor exchanges with companies and architects without forgetting the scenographers stage managers as part of our interventions in scenic metalwork.

**Operations carried out jointly between EVP & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

Fluids

T&E

**Operations carried out jointly between T&E & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>



<https://www.innovation-fluides.com/>

**Operations carried out jointly between INNOVATION FLUIDE & ATEVE INGENIERIE :**  
**Housing in IDF; Cinemas in IDF**

Water treatment



<https://bambooforlife.fr/>

The founders have the very strong conviction that it is possible to change mentalities: transform wastewater into a resource

Bamboo-Sanitation's® technology is at the service of the collective while finding an economic balance

The context lends itself to this: high mortality rate in developing countries linked to waterborne diseases, increase in drought and temperatures, pollution, need for renewable resources, awareness of institutions: It is time to act

The founders of Bamboo for Life want to be part of an intelligent approach to overcome these problems and achieve economic, social and environmental performance. The approach requires a projection into desirable practices and a willingness to overturn established codes

station-sequestration-carbone-co2-bambou-bamboo-for-life-2

Bamboo For Life is a pioneer with a new urban vision that allows us to see the city differently: instead of disfiguring the landscapes with treatment plants we develop the space by creating green islands in both urban and peri-urban areas: the classic sanitation unit is replaced by a magnificent bamboo grove that is calm, odorless, tremendously efficient and brings an oxygen lung to resilient cities. The principle of productive landscape is at work

The founders want to give a social and societal dimension to their actions and have created the OPEN association whose mission is to help disadvantaged populations in France and in developing countries who do not have access to sanitation.

The international context is very favorable to the emergence of solutions advocated by Bamboo for Life: awakening of governments, organization of world events such as COP, warning of associations for the defense of nature ...

Access to water and sanitation is now part of fundamental human rights

**Operations carried out jointly between EVP & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

**Maroquinerie Hermès of Sormonne**

Process standardization

<http://www.cstb.fr>

The Centre scientifique et technique du bâtiment (CSTB) is a French public institution of an industrial and commercial nature (EPIC). It is placed under the supervision of the Ministry of Territorial Cohesion, the Ministry of Ecological and Solidarity Transition and the Ministry of National Education, Higher Education and Research.

**Operation carried out jointly between EVP & ATEVE INGENIERIE :**

**Lycée des Métiers du Bâtiment of Longoni in Mayotte**

<http://encoreheureux.org/projets/lycee-de-longoni>

3D Architectural Animation



<https://archicgi.com>

ArchiCGI was founded in 2011 by a group of architects and designers who saw the need for change in the sphere of architectural rendering. The existing options brought results but were inconvenient. CGI services required waiting forever for the project even to start, often lead to missed deadlines, and overall the collaboration was hard. The founders decided it was high time to change and committed to creating new CGI solutions.

In 2014, the ArchiCGI team launched a CGI CRM system. In 2016, we reorganized the working process and assigned a permanent team to each client. And in 2017, the company opened 4 branches.

Nowadays, ArchiCGI works with over 2000 clients all over the world and has a multitude of teams with different specializations. We now have 36 Mentors, implemented Artificial Intelligence for QA, built up an online library for projects containing 6000 CG scenes and 42 000 photoreal 3D models. All this allowed us to achieve the best delivery quality in the market.

We've come a long way, still, that's only a beginning. Our plan is to double the size each year. We are growing and manage to keep our cooperation process as easy and comfortable as if your 3D Artist was sitting in front of you at the same table.

There are two things that the ArchiCGI team values the most: artistic drive and innovations. We strive to not just make quality CG visuals – we want to create and deliver pieces of art to our clients with the most tech-savvy, novel means and approaches. And we believe it helps us take 3D visualization services to a completely new level.