



# BIOPRINT

innovation

## the first BIODEGRADABLE motifs



Blachère remains committed to its eco-friendly approach and is going green.

In a **WORLD EXCLUSIVE**, from 2019 the structure of our 2D decorations is made of a **revolutionary biodegradable material that is organically sourced, certified as GMO-free and made from sugar cane at a French laboratory**. By using this material, we are minimising daily waste production and conserving natural resources to reduce our environmental impact.



Our new revolutionary **BIOPRINT** material is:



### BIODEGRADABLE

Decomposes naturally without polluting or harming the natural environment.



### ORGANICALLY SOURCED

Material only includes organic elements.



### CERTIFIED AS GMO-FREE

Does not contain genetically modified organisms.  
Made from sugar cane at a French laboratory.



### RESISTANCE

IK10-rated against mechanical impact at 20°C. Can withstand high temperatures and is UV-resistant.

## WHAT IS BIODEGRADABILITY?

Biodegradation is the **breakdown of organic matter by microorganisms**.

Substances are said to be biodegradable if external living organisms can cause them to decompose into separate elements **without harming the natural environment**. Our decorations biodegrade slowly, meaning they can be **installed outdoors for long periods without this causing aesthetic or mechanical damage**. One advantage of this slowness is that it **minimises the greenhouse gases generated** when the complex molecules that make up our revolutionary material biodegrade. While industrial composting is one way to sensibly manage this biomass **the eco-friendliest approach is to recycle the material**. By doing this, daily waste production can be eradicated.

## BIODEGRADABLE BIOPRINT STRUCTURE

The entire structure onto which the lighting components are wired is made using **our revolutionary new BIOPRINT material** available in different colours.

## RECYCLED ALUMINIUM FRAME

This sleek aluminium frame is used to maintain the **BIOPRINT** structure. After use, the aluminium in all our decorations is **collected and processed by an approved body**.

## RECYCLED ELECTRIC COMPONENTS

All the garlands and other electric components we use in our decorations are **collected and recycled by ESR-Récylum** which is approved to process waste electrical and electronic equipment from commercial sources.



## PRINTING ROBOT MANUFACTURING PROCESS

Our large-format printers are inspired by **automotive industrial robots**.

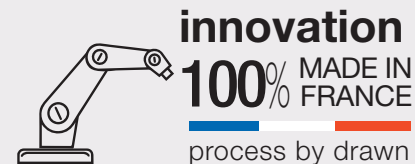
Through this process, we are creating local production jobs.

Goods' logistics chains can be shortened to produce where there is a need, in a society that is **focused on sustainable development**.

This means we can meet your needs by creating unique and bespoke pieces or producing small quantities to put together unusual projects for you.

Our **BIOPRINT** range has been **designed and made with creativity, innovation, design and respect with the environment in mind**.

All our clients can integrate this large-format printing innovation when they have their illuminations made.



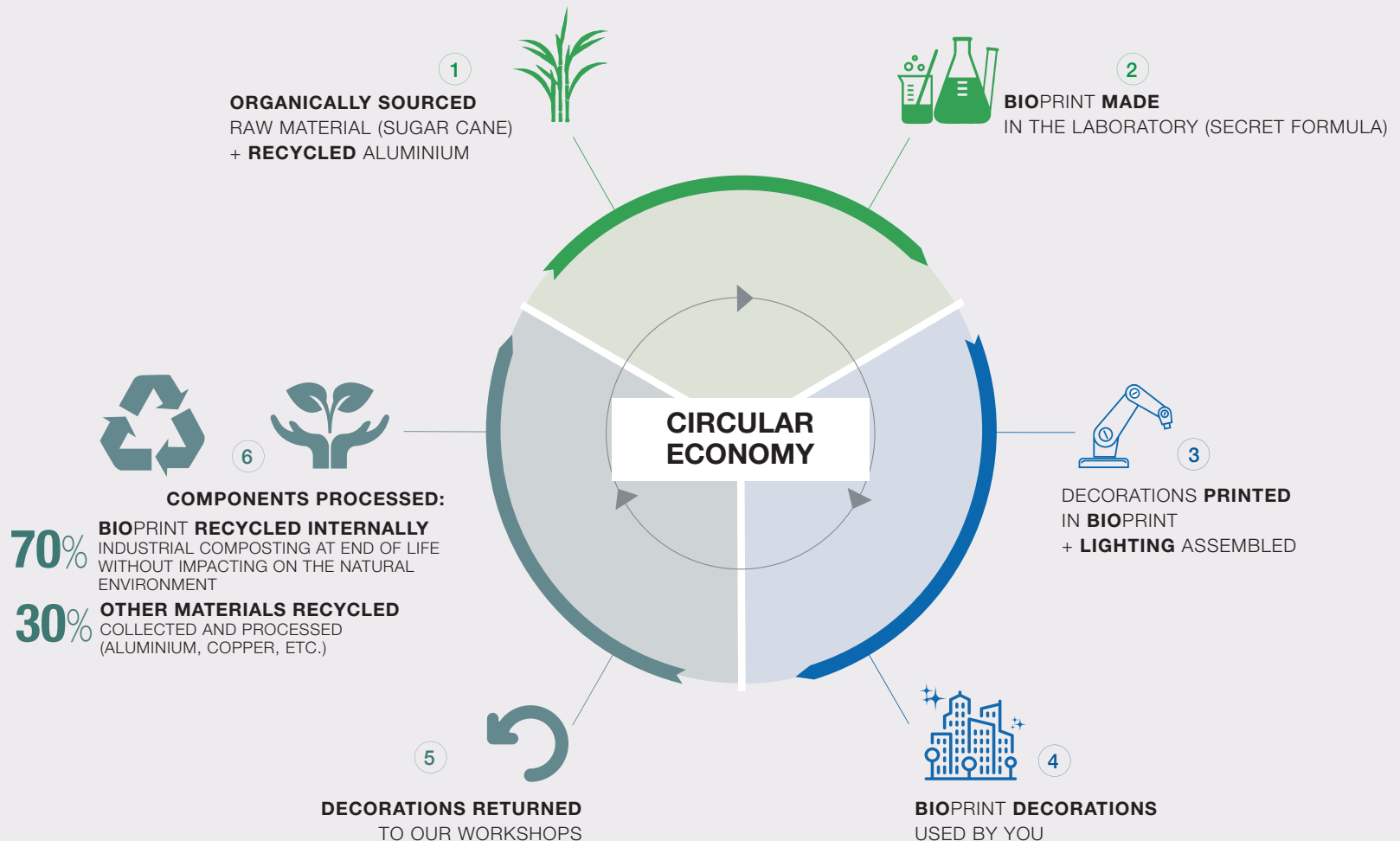
With Blachère Illumination, you can reduce **your environmental impact by being part of a circular economy.**

Our new **BIOPRINT** material is part of our wider eco-friendly approach which began many years ago, with all staff making tangible green contributions on a daily basis.

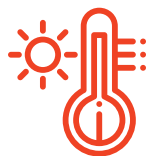
We are not limited by all that we do internally. On the contrary, we want to share it with the world.

Our approach is a **good match for eco-friendly urban policies.**

This is further proof of our commitment to supporting you, **so we can protect our planet and safeguard the future for everyone.**



## THE CONDITION OF OUR PLANET: THE STARTING POINT OF OUR THOUGHTS



### GLOBAL WARMING

An increase of almost one degree has been recorded on our planet over the last century, and the figures seem to show that this is only the beginning.



### A PLASTIC CONTINENT

In 1997, Charles J. Moore discovered a mass of floating plastic off the coast of California ; the seventh continent, a plastic continent...



### TONNES OF RUBBISH

Annual waste production is almost two billion tons per year, if nothing is done, it will be more than 3.5 billion tons in 2050.



### A SHORTAGE OF DRINKABLE WATER

The Global Resources Institute estimates that more and more countries will face chronic drinkable water shortages in the coming years.

## OUR GOAL:

## REDUCE AS MUCH AS POSSIBLE OUR ECOLOGICAL FOOTPRINT WITH OUR BIOPRINT RANGE



Blachère has created an exclusive range of decorations made by printer robots.

Since the beginning of 2019, with a view to further reduce our impact on the planet, our R&D department has developed a patented formula, made from sugar cane that is 100% biodegradable and organically sourced.

It is used to make 80% of the motifs from our street decoration range.

All our BIOPRINT decorations in our catalogue are marked with this symbol:



## OUR ENVIRONMENTAL RESPONSIBILITIES:

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### LEDs ONLY

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We were the first to use LEDs (Light-Emitting Diodes) and roll them out across all our decorations **in 2008**.

LEDs have since become essential. They last **ten times longer**, and **use a tenth of the electricity**.



### GREEN ELECTRICITY

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Blachère Illumination is committed to taking an eco-friendly approach over the next three years. We are being supplied **with electricity produced from renewable energy** (hydro, geothermal, wind and solar) certified by our provider. As a result, Blachère Illumination will generate around **500 fewer tonnes of CO2**.

### FSC PAPER AND IMPRIM'VERT® CERTIFICATION

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The paper used for our catalogue comes **from FSC (Forest Stewardship Council) woods**. Imprim'Vert® certification aims to encourage printers to make tangible contributions to **reducing the impact of their work on the environment**.



### UN TOIT POUR LES ABEILLES

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The "A Home for the Bees" initiative aims to help **protect the bee population and encourage colonies to develop**.

We offer communities the chance **to offset their illuminations' carbon omissions** by sponsoring a beehive.

### WASTE RECYCLING AND CARBON FOOTPRINT

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We have had **compactors** for cardboard and plastic installed at our company.

**Two thirds of our waste is collected and recycled** by a specialist company.

Since 2008, we have also been monitoring our carbon footprint.



### WIND FARMS AND RAINWATER HARVESTING

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We have installed **four wind turbines** at our production site as well as **solar panels** to light the carpark. We also **collect rainwater** to water the company greenery.

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## CONTACT

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