



**SINGULARBLUE**  
**SYSTEM**

# 01

## WHAT ARE NATURAL POOLS?



Natural or ecological pools, also known as bio-pools, are those that **do not use chemical products to purify the water**, but use plants and gravel to do the filtering.

Unlike conventional swimming pools, where the use of products such as chlorine causes eye irritation, dermatitis, etc., in natural pools it does not happen, because the water is similar to that of a river, natural pond or lagoon, **with all the guarantees of quality and transparency suitable for bathing**.

In addition, the experience during the bath is much more pleasant since the water has neither smell nor chlorine flavor.

# NATURAL PURIFICATION COMPARED TO OTHER SYSTEMS

	CHLORINE DOSAGE	SALINE CHLORINATION	COPPER-SILVER IONIZATION	OZONE SYSTEM	NATURAL SYSTEM
IT DOESN'T NEED REGULAR MAINTENANCE	X	X	X	X	✓
SAME WATER ALL YEAR ROUND	X	X	X	X	✓
DAILY ELECTRICITY CONSUMPTION*	4.470 W	4.470 W	4.470 W	4.470 W	1.200 W
IT DOESN'T USE CHEMICALS	X	X	X	X	✓
PROMOTES BIODIVERSITY	X	X	X	X	✓

\*Calculation made with a 4x8 m pool

# SingularBlue, filtering system without chemicals



Enguera, Valencia, 2021.



Mutxamiel, Alicante, 2018



Matola, Alicante, 2021.

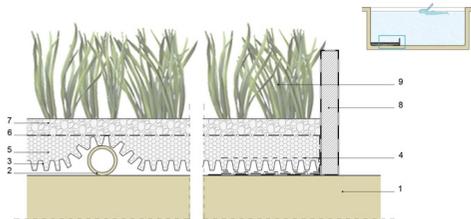


# 02

## WHAT DO WE OFFER AT SINGULARGREEN?

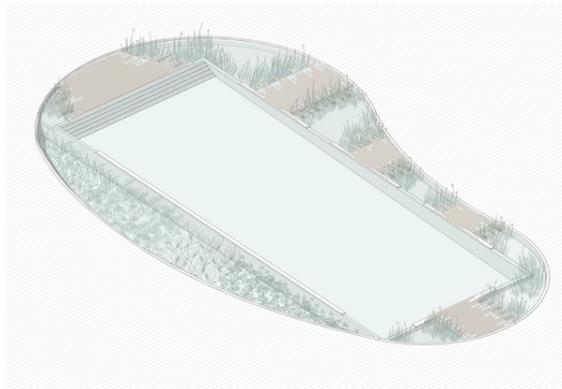
### SINGULARBLUE SYSTEM

After a personalized study of the location, water quality and characteristics of the pool, we adapt our filtering system SingularBlue.



### PROJECT DESIGN

Both in conventional pool conversion and new construction pools, we offer the possibility of designing the project adapting to the needs of each client.



### TURNKEY PROJECT

Once the design and parameters of the SingularBlue have been defined, if the client wants it, we can carry out the complete execution of the pool.



# 03

## DESCRIPTION OF THE SINGULARBLUE SYSTEM



Moncada, Valencia, 2014



Denia, 2019

The SingularBlue system consists mainly of two components: a **biological filter** and a **regeneration zone composed by gravel and submerged plants**. In certain situations is necessary to use another types of filters for their proper functioning, this depends on the climate and the quality of the water.

The operation of SingularBlue is very simple, the biological filter responsible for transforming the organic matter in the pool into elements that can be absorbed by the plants in the regeneration area.

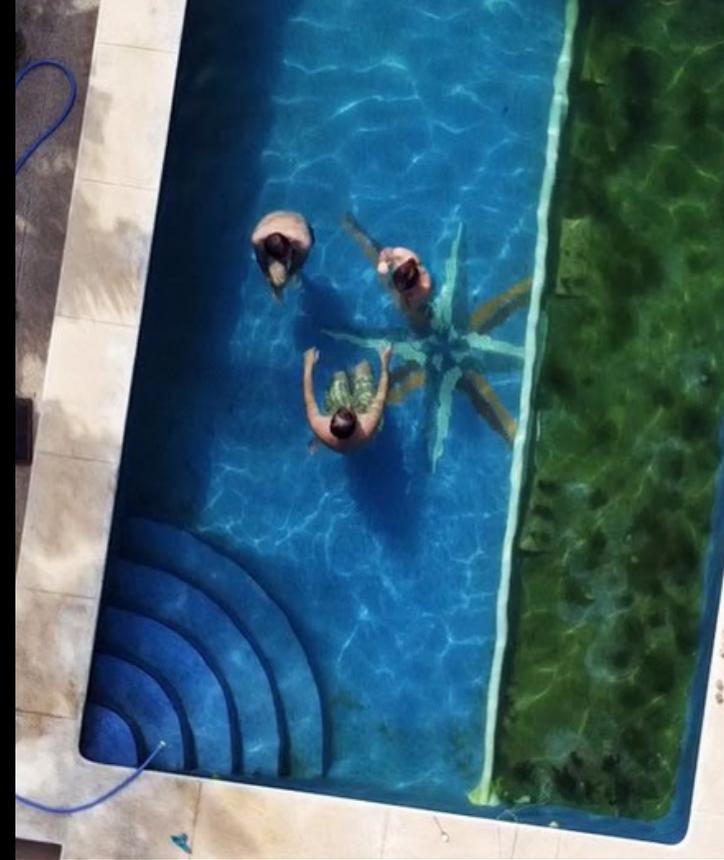
**The SingularBlue system adapts to both already built and newly built pools.** In any case, the multiple place factors are considered both in the design of the pool and in the sizing of the facilities.

The SingularBlue system has a price from 6.000€ that varies depending on the size of the pool and water quality.

Compatible with  
**new or built swimming pools**

Conversion  
**without works**

Conversion  
**without drilling the basin**



Mutxamiel, 2018.



Matola, Alicante, 2021.

## NEWLY BUILT NATURAL POOL

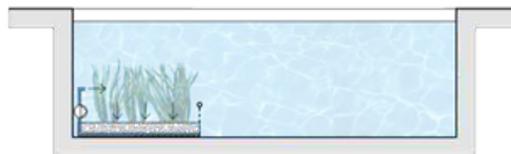
The plants can be placed in the same swimming basin or in a separate one..In newly built natural pools the distribution of the elements adapts to every requirement.



Matola, Alicante, 2021.

## CONVERSION TO A NATURAL POOL

MBy arranging the biological filter in the same swimming basin it is possible to convert a conventional pool into a natural one, reusing the existing facility and reducing costs. The filter is installed in the pool without the need of work, which allows a great ease of assembly and cost reduction compared to other conversion systems.



Mutxamiel, Alicante, 2018.

In both cases the installation is carried out on the bottom surface of the pool basin, so the space is smaller than other solutions and no space is lost for swimming.



# Clear water all year round



Moncada, Valencia, 2014

# 05

## SELECTED PROJECTS



Enguera, Valencia, 2021



Loscertales, Huesca, 2021

Since we designed the SingularBlue system, we have developed several projects, both nationally and internationally.

Our SingularBlue system have been tested in different types of swimming pools: conventional pools converted into natural ones, new construction pools with lake appearance, natural ponds, etc.

Below we show you some of our selected projects and how the SingularBlue system adapts to the different situations.

## CONVERTED SWIMMING POOL MUTXAMIEL, ALICANTE

**Location:** Mutxamiel, Alicante.

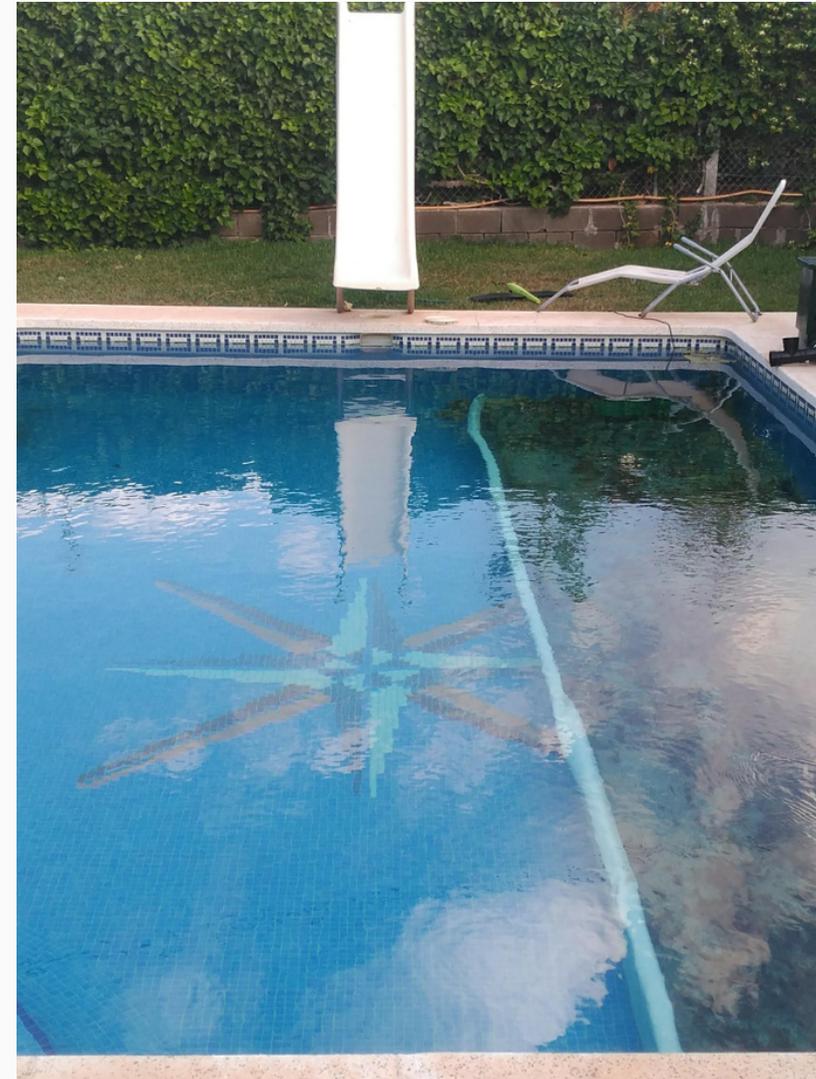
**Average temperature:** <7°C >31°C

**Total surface:** 35 m<sup>2</sup>

**Surface of the SingularGreen system:** 40% del total

**Total filtered water:** 63 m<sup>3</sup>

**Marsh plant area:** 9 m<sup>2</sup>



## NEW CONSTRUCTION SWIMMING POOL MATOLA, ELCHE



**Location:** Matola, Elche, Alicante.

**Average temperature:** <6°C >31°C

**Total surface:** 179 m<sup>2</sup>

**Surface of the SingularGreen system:** 15 m<sup>2</sup>

**Total filtered water::** 200 m<sup>3</sup>

**Marsh plant area:** 57 m<sup>2</sup>

**Guarantee**  
clean and clear water

**Biodiversity**  
promotion

**Healthcare**



## CONVERTED POND MUTXAMIEL, ALICANTE

**Location:** Mutxamiel, Alicante.

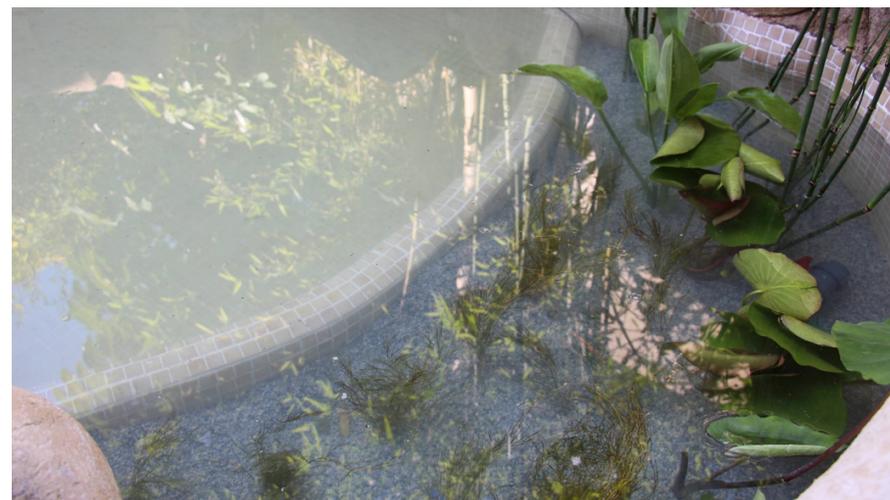
**Average temperature:** <7°C >31°C

**Total surface:** 3 m<sup>2</sup>

**Surface of the SingularGreen system::** 1 m<sup>2</sup>

**Total filtered water:** 1,5 m<sup>3</sup>

**Marsh plant area:** 0,5 m<sup>2</sup>





## CONVERTED SWIMMING POOL LOSCERTALES, HUESCA

**Location:** Loscertales, Huesca.

**Average temperature:** <1°C >30°C

**Total surface:** 37 m<sup>2</sup>

**Surface of the SingularGreen system::** 7,5 m<sup>2</sup>

**Total filtered water:** 59,2 m<sup>3</sup>

**Marsh plant area:** 3,58 m<sup>2</sup>

Less  
**maintenance**

Energy  
**saving**

Lower water  
**consumption**



Moncada, Valencia, 2014



Enguera, Valencia, 2021

# 06

## WHO ARE WE?

At SingularGreen we are specialists in equipping cities with green spaces by **integration of architecture and nature**, improving the people's life quality.

Therefore, we not only design, but we take action, by creating **every kind of projects of landscape out of the common ones**.

Innovation is at our DNA. Our R&D department has been conducting constant research for more than 15 years to develop our own technology adapting to each environment.

At SingularGreen we are passionate about what we do and we are characterized by **creating creative solutions for your projects**, offering from comprehensive advice to its execution and maintenance, always adapting to your needs.

**SingularGreen, creative solutions based on nature.**



Piscina reconvertida, Los Certales, Huesca, 2021

07

## INTERNATIONAL ORGANIZATION FOR NATURAL BATHING WATERS (IOB)



Mutxamiel, Alicante, 2018

SingularGreen is part of the International Organization for Natural Bathing Waters and **we promote the installation of natural swimming pools within the standards set by this association**, being of particular importance the hygienic parameters whose main objective is the health of bathers.

For this reason, and after years of innovation, we have developed a technology for water filtration in natural pools, our SingularBlue system. A water purification system that does not use any chemicals, but keeps the quality and transparency of the water by a biological filter and aquatic plants.



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