



BALENA

Naturally clear water

CHLORINE-FREE, NATURAL, FUTURE-READY.

For Large-scale Projects

www.balena-gmbh.de

Naturally clear water for large-scale projects

The Balena system transforms large water surfaces into biologically filtered water landscapes without chlorine, active oxygen or chemical pH regulators.

For developers, investors and operators who see water not only as an amenity, but as a lasting asset for ambitious projects.

No water replacement necessary

400 t annual chlorine savings

450,000 m² water surface

3,500+ completed projects

Water surfaces create lasting value

In large-scale developments, water has to do more than look impressive. It shapes atmosphere, increases amenity value, supports positioning and must remain practical to operate.

The Balena system offers a biological alternative to classic chlorine pools and salt systems. It uses natural filtration processes, powerful microbiology and flexible filter zones.

Relevant for large-scale projects:

- » no conventional chlorine dosing
- » representative, naturally clear water
- » no typical chlorine smell
- » less effort from chlorine residues and wastewater
- » high design freedom
- » strong differentiation for positioning and communication
- » lower water consumption and lower operating costs

Biological water treatment with a system

In the Balena system, water is biologically treated through a flow-through filter zone. Microorganisms in the substrate and root zone are continuously supplied with oxygen-rich water.

Impurities from the environment and use are retained in the filter material, biologically converted and largely broken down.

Instead of chlorine, active oxygen or chemical pH regulators, Balena uses backwashable mineral material and natural treatment processes. Filter zones can be placed internally, externally or on the floor. This keeps the design flexible and the water surface efficiently usable.

This means for your project:

- » naturally clear water
- » flexible integration into architecture and landscape
- » biological filter technology instead of classic chlorine treatment
- » high-quality impact for large outdoor spaces and lagoons

More identity. Less chemistry.
A stronger project statement.



Chlorine, salt or biology?

Salt systems are often understood as a natural alternative. In fact, a salt-chlorine generator produces chlorine by electrolysis from the salt dissolved in the water. A salt pool is therefore usually not a chlorine-free system, but another form of chlorine production.

Topic	Chlorine pool	Salt pool	Balena system
Principle	Chlorine added directly	Chlorine produced from salt	Biological filtration through microbiology
Chlorine-free	No	No	Yes, no conventional chlorine dosing
Project value	Depends on dosing	Often softer, but chlorine-based	Natural, premium, without typical chlorine smell
Wastewater	Chlorinated wastewater	Salt- and chlorine-containing wastewater	Nutrient-rich backwash water, usable for green areas
Positioning	Standard solution	Technical comfort solution	Distinctive project asset
Design freedom	Depends on technical room and basin	Depends on technical room and basin	Flexible filter zones, internal, external or on the basin floor

If a project should be truly chlorine-free, salt is not enough. Balena provides a biological system.



Large impact that also works in operation

For large-scale projects, the investment is only one part of the equation. Operation matters just as much.

The Balena system reduces the need for chemical additives and avoids chlorine residues. At the same time, nutrient-rich backwash water can be used to irrigate green spaces.

Less chemical input

No conventional chlorine dosing, no chlorine residues, no typical chlorine smell.

Efficient use of water surface

Integrated filter technology allows the water surface to be used efficiently and incorporated freely into the overall project design.

Representative project value

Naturally clear water creates identity, quality and a strong visual centrepiece for residential, commercial or prestige projects.

Clear positioning for communication

Biological water treatment can be explained clearly in presentations, project documentation and operator concepts.

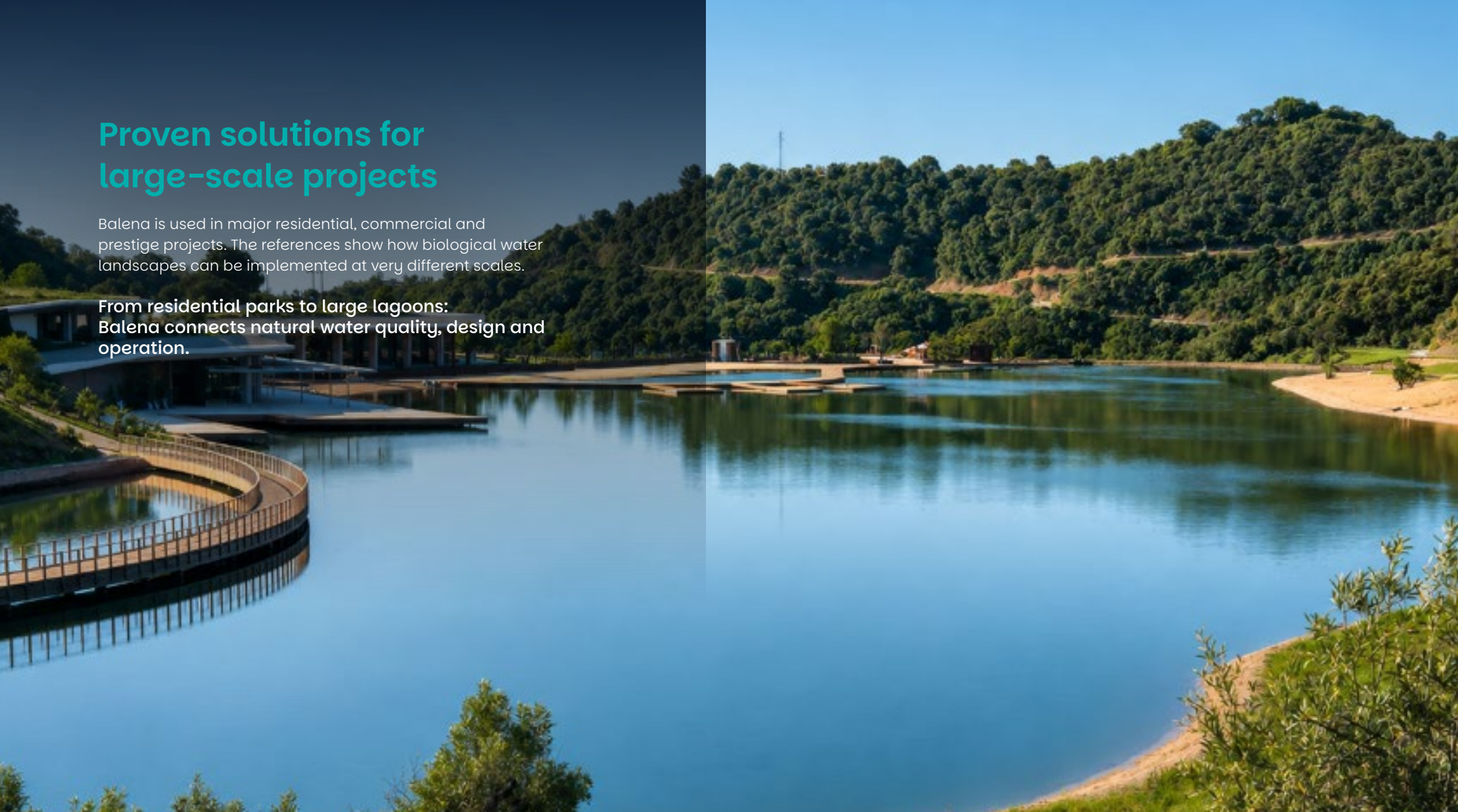
For projects where water creates value and visibility beyond pure function.



Proven solutions for large-scale projects

Balena is used in major residential, commercial and prestige projects. The references show how biological water landscapes can be implemented at very different scales.

From residential parks to large lagoons:
Balena connects natural water quality, design and operation.



Real de La Quinta – El Lago Club
Benahavís, Spain

80,000 m³
water
volume

Year
2024/25

60 t annual
chlorine savings



“Antepia” villa community
Gaziantep, Turkey

68,000 m³
water
volume

Year
2012/13

50 t annual
chlorine
savings



Altın Oran
Ankara, Turkey

45,000 m³
water
volume

Year
2012/13

34 t annual
chlorine
savings



Spain Beach Club
Sotogrande, Spain

1,500 m²
filter area

20,000 m²
water area

28 t annual
chlorine
savings



Residential park,
Gersthofen, Germany

4,800 m³
water
volume

Year
2008

3.6 t annual
chlorine
savings

For new projects, upgrades and repositioning

The Balena system is suitable for new developments, large outdoor areas and the biological upgrade of existing water surfaces.

Residential parks

For high-quality outdoor spaces with more amenity value and a strong design centrepiece.

Business buildings

For representative water surfaces that connect architecture, external impact and design quality.

Prestige projects

For water landscapes that create clear differentiation and leave a lasting impression.

Lagoons and lakes

For large facilities with natural impact, strong presence and biological water treatment.

Balena turns
water into a visible
asset for ambitious
projects.



Scan the QR code and
discover further Balena projects –
clearly arranged, current
and sorted by application areas.







Let's talk about your project

Are you planning a large water landscape, a prestige development or a representative outdoor area?

The Balena team will advise you on technical options, system benefits and suitable references for your project.

Talk to us

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