

Environmentally Friendly Technology



Bureau Veritas, an internationally renowned inspection and organization, externally verified our technology's efficient water and energy use compared to traditional swimming pools and other amenities.



**BUREAU
VERITAS**

Shaping a World of Trust

A 1 ha / 2.5 ac lagoon uses up to:



50X LESS ENERGY than a swimming pool the same size.



40% LESS WATER than a park the same size.



33X LESS WATER than an 18-hole golf course.

Efficient Use of Water & Energy



Lagoons powered by Crystal Lagoons® technology can use **any type of water**, including seawater and brackish water, which is abundant and has little to no alternative use.



Lagoons are filled **only once** and operate in a closed circuit.



They only need water to compensate for evaporation, which **can be reduced up to 50%** with our exclusive molecular film technology and rainwater accumulation.



Crystalline lagoons have a far more intensive recreational use than green areas, golf courses, and surf parks, constituting a **more efficient use per acre of space and gallon of water**.



They require **100 times fewer chemicals** than traditional swimming pools.

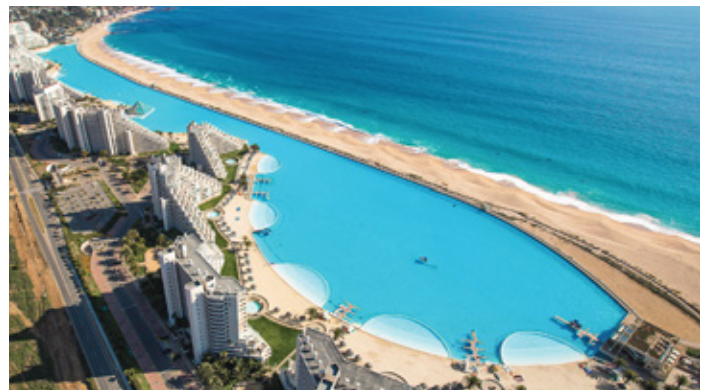
Sustainable Technology



By bringing beach life, water sports, and entertainment close to home, PAL™ projects reduce car and plane travel to coastal destinations, **reducing CO2 emissions** by millions of tons. For this contribution, Crystal Lagoons was recently recognized as the **“Champion of Champions” in the 2022 edition of the “Green World Awards.”**



50% of the world’s beaches could disappear by the end of the century. Public Access Lagoons™ developments **lower human impact on biodiversity** by decreasing the number of visitors to natural beaches and coastal areas.





1. Evaporation



Crystal Lagoons developed a molecular film technology that, when necessary, reduces the use of fresh-water by an additional 50%.

2. Water



The crystalline lagoons can use any type of water, including seawater and brackish water.

3. Filling



The lagoons powered by Crystal Lagoons® technology are filled only once and operate in a closed circuit.

4. Rainwater

The artificial turquoise lagoons by Crystal Lagoons accumulate rainwater. During dry periods, water is only needed to compensate for evaporation. In rainy conditions, excess water is collected in the lagoon and used for other purposes.

5. Uses



The crystalline lagoons are used for bathing and water sports and have a much more intensive use than green areas, so they constitute a more efficient use per liter of water.

6. Efficiency

When it is necessary to compensate for evaporation, the amount of water required is only half of what is used to irrigate a green area of the same size, and 30 times less water than a golf course with the same surface.





7. Carbon Footprint



Every year millions of people travel to recreational sites around the world.

Public Access Lagoons™ developments are just a few steps away from people's homes, decreasing air and car travel, therefore the carbon footprint.

8. Biodiversity



50% of the world's beaches could disappear by the end of the century.

The Public Access Lagoons™ business model reduces human impact on biodiversity by decreasing the number of visitors to natural beaches and coastal areas.



CHAMPION
INFRA TECH

080 4903 4567, +91 98443 44977

enquiry@championinftratech.com
www.championinftratech.com



ENABLING 100+ LAGOON PROJECTS IN INDIA

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