

Public Natural Swimming Pools



What is a *Natural Swimming Pool* and what is *BioNova*?

A Natural Swimming Pool (or NSP) is a completely chemical-free swimming pool. Natural pools purify water with hydroponic plants rooted in gravel beds. These plants mimic Mother Nature's way of clarifying and purifying water in fresh-water wetlands.

BioNova is a global partnership that designs and plans the installation of Public Pools around the world. We have consultants, designers, planners and construction specialists who are available for small or large scale Public Natural Swimming Pool installations.

Please visit us at www.BioNovaNaturalPools.com
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BioNova® - Pools in Harmony with Nature

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Natural

In a traditional sterile pool, chemicals work to kill off everything except for the bathers. A Natural Swimming Pool is a balanced ecosystem where all plants and microorganisms work together to create true "living water". The microorganisms break down undesirable components in the water and transform them into nutrient for plants. Thus the plants and microbes get all their nutrient from the pond water. The natural pool is able to clean and purify the water without the use of harmful chemicals, which is better for swimmers and better for the environment.



Eco-Friendly



Natural Pools are sustainable because they require no chemicals. Instead, they rely on plants that re-grow and thrive on their own to purify the water. Thus the filtration system is natural, returning annually as plants grow back. In fact, NSPs become more stable over time, and require little maintenance. This in itself is a sustainable aspect of a natural pool. A natural pool has both a lower carbon-footprint and a lower cost of operation than a traditional pool. As NSPs become ever more popular throughout the world for both environmental and aesthetic reasons, it is easy to see why the concept of the natural pool is the logical, socially-responsible choice for public recreation.

Healthy



Natural Swimming Pools have been proven safe and swimmable through ongoing use and diligent monitoring of over one hundred public NSPs -with some of them receiving thousands of visitors on a daily basis. In order to create guidelines for regulation of natural pools, Germany created the FLL Standards for NSPs in 2003 and an updated version will go into place in 2011. Having been adopted by most of the EU nations, the FLL standards are quite strict and maintain the highest levels of water quality. These standards are much stricter than the World Health Organization, Canadian or US Standards that are currently in force for public bathing beaches. BioNova is available to meet with health officials to discuss the European and North American standards.

