

interact



Case study

Reality or a dream? Night surfing in the Alps

Alaïa Bay, Switzerland



Adam Bonvin's dream of being able to ski and surf on the same day in his native homeland of Switzerland has become a reality thanks to innovative technology from Wavegarden, Elektra and Signify.

The client's challenge

Surfing in the middle of the Alps is already a pipe dream, but to be able to do it after nightfall seems almost impossible. However, this was not an obstacle for the founder of Alaïa Bay, the first artificial wave park in Europe.

A sports facility of this kind required excellent lighting to ensure perfect visibility and safety for users, minimizing the risk of accidents. In addition to this, a reliable system was required to allow surfers to continue practising their sport even at night.

Signify's LED technology and Interact management software were key to the realization of this unusual and ambitious project.



Interact has been seamlessly integrated into our control system. It offers the customer the ability to manage both wave generation and lighting from a single screen"

Philipp von Buch,
Wavegarden architect.

The solution

The illumination of the Alaïa Bay sports complex has proved to have been a real challenge, as it involved considering various multiple factors. On top of having functional lighting to ensure proper visibility and use of the facilities, it was necessary to have complete control over the light to avoid glare for athletes and visitors as well as for the drivers on the nearby highway and to ensure that the night sky was free of unwanted light pollution.

For the lighting of the artificial lagoon, Optivision LED gen3 and Clearflood projectors have been used on 24-meter high columns, which have made it possible to extend the hours of use of the wave park even during the night hours providing users with a unique surfing experience.

The lighting system is managed by Interact, Signify's online remote control platform, which has been seamlessly integrated with the client's software, allowing Alaïa Bay operators to manage wave generation and lighting from a single control panel.



Illuminating an innovative sports center

The success of this project has been possible thanks to the work and performance of the entire professional team involved in it; from Wavegarden as engineering and architecture, Signify as lighting solution provider and Elektra as technical consultancy.

The installed lighting system opens up a whole range of possibilities for those responsible for the sports center. It allows, for example, the creation of customized lighting scenes to emphasize different events, or to synchronize the lighting with the music or the rhythm of the waves, expanding the commercial and advertising possibilities of the facility beyond merely sporting ones.

Interact is an open system, ready for future expansions and upgrades, and can grow with the client's needs. In addition, it is an extremely efficient system, providing Alaïa Bay with energy and CO₂ emissions savings of 35% compared to a conventional LED lighting system.

In addition to all these advantages, there is also a long service life of both the lighting products and the control system, which minimizes maintenance work and Capex and Opex investment.

Main benefits



Extending the operating hours

Thanks to LED lighting and the Interact management system, Alaïa Bay can now savor the high-quality illumination, which allows the users to continue surfing at dusk and during the night, extending its opening hours and its business offer.



Perfect integration

Interact has been seamlessly integrated into Wavegarden's control system, allowing the operator to monitor and manage the wave generation and lighting of all installations from a single panel.



Efficient and high-quality light

Safety is fundamental in a leisure facility such as this one. High-quality lighting, with an energy efficiency of 35% compared to a conventional LED installation and one that does not generate light pollution, neither to the night sky nor to drivers on the nearby highway, has been a determining factor for Alaïa Bay.



Long service life

Thanks to the most advanced LED technology and the Interact control system, Alaïa Bay has a lighting solution with a very long service life, which helps to minimize maintenance and maximize the return on investment.



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