

POWER PARTNERSHIP



SOLAR SOLUTIONS FOR ENTERTAINMENT

Positiveflow are proud to announce the partnership with 'Ecoluce', this strategic step introduces a full circle package to produce a 'zero emission' event. Si Produzioni provide full event logistics and coordination, AzeroCO2 can provide Carbon offsetting, Eco-luce provides the energy solution, Positiveflow providing concept and art direction.

Ecoluce is an eco-friendly power dedicated equipment for show business and events.

This system is the merging of a photovoltaic system in CA and CC hybrid stand-alone/grid-connected technology (partly fixed and partly mobile) with high performance and low power consumption light and sound equipment.

The system eliminates losses due to conversion between alternating and direct current, or vice versa, and works closely and directly with the energy produced by photovoltaic panels without conversions and eliminating inefficiencies and current loss. Ecoluce is also a research project for the development of low consumption, high efficiency and energy saving.

How works EcoLuce?

The system consists in photovoltaic panels that converts solar energy into electricity, gathered in special accumulators. The constant search of innovative solutions allows the reduction of the photovoltaic panels, maximizing energy production. The new generation of photovoltaic panels used by Ecoluce is innovative and can be placed on tops of stage, banners and other structures, commonly used for the accumulation of electricity. Moreover, the new Led lighting systems and low consumption sound equipment, allows energy saving. Ecoluce can be used in any context, in a small or large audience and always with high quality output.

Benefits of EcoLuce

This new system allows to break down the energy consumption of indoor/outdoor events, making them totally independent from the need of power from fossil sources and from electricity network.

In a basic set-up, with a correct amperage, the Ecoluce system consumes the equivalent energy of a 1.5 volts battery.

During the testing laboratory phase, in the outdoor events ("Notte Bianca" concert of Ambrogio Sparagna Orchestra), indoor events (Teatro Valle, Têtes de Bois and "Next Pop") and other productions, the Ecoluce system was able to support all the events with a reduction in voltage measurable in less than 2 volts for 12 hours of running.

The result is that the absorption of a medium-size concert/performance with a traditional system is between 30 and 50kWh, while is reduced to 10/20kWh and cut for about 50kg of Co2 emission with an Ecoluce system.

In comparison to the traditional system, the technical benefits are in short:

- better sound quality due to direct current use;
- absence of hum and noises in the audio equipment;
- flexibility and endless mix of led light system.

Regarding to the financial aspects, comparing a same features traditional system with the EcoLuce system, the expenses are very much alike but a traditional system needs in addition fuel or electricity network expenses, more maintenance, not to mention the impact of social cost due to the environment damage for Co2 emission. Once the EcoLuce system is sized on the basis of the required amperage, the length ratio is real-time controlled in time and power at various steps of the staging.

For more information please contact [alan\(at\)positiveflow\(dot\)net](mailto:alan(at)positiveflow(dot)net)

