SNFCC

Introduction

The Stavros Niarchos Foundation Cultural Center (SNFCC) is a complex in the bay of Faliro in Athens, which includes new facilities for the National Library of Greece (NLG) and the Greek National Opera (GNO), as well as the 210,000 m² Stavros Niarchos Park. SUNOVATION developed the BIPV roof.

(Sunovation)

Aesthetic integration

A high aesthetic result is guaranteed by the uniform appearance of the BIPV modules and the gapless roof structure. The fixation is invisible.

Energy integration

The BIPV modules are estimated to produce around 2 GWh per year.

Technology integration

5,700 high-efficiency PV modules (eFORM clear) are integrated on the building roof. They are statically reinforced and frameless, made of a 3-ply glass composite conform to the enormous static, optical and performance technology requirements of the project. The BIPV roof is accessible and walkable, allowing easy installation, maintenance, and cleaning activities.

Decision making

The BIPV roof fulfils the design wishes of the architect, who wanted a gapless roof surface with excellent aesthetics.

PROJECT DATA

Project type	new construction
Building use	multifunctional
Building address	Leof. Andrea Siggrou 364, Kallithea, Griechenland

BIPV systems

BIPV SYSTEM DATA

Architectural system	Vordach
Integration year	2016
Active material	kristallines Silizium
Module transparency	opaque
Module technology	glass-glass, hidden PV, customized modules
System power [kWp]	1062
System area [m²]	10000
Annual FV production [kWh]	2000000

BIPV SYSTEM COSTS

Stakeholders

Main building designer

Renzo Piano Building Workshop

BIPV components producer

Sunovation GmbH
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