



**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 m<sup>2</sup> 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

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<b>Project type</b>	new construction
<b>Building use</b>	multifunctional
<b>Building address</b>	Leof. Andrea Siggrou 364, Kallithea, Grecia

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## BIPV systems

### BIPV SYSTEM DATA

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<b>Architectural system</b>	tettoia
<b>Integration year</b>	2016
<b>Active material</b>	silicio cristallino
<b>Module transparency</b>	opaque
<b>Module technology</b>	glass-glass, hidden PV, customized modules
<b>System power [kWp]</b>	1062
<b>System area [m<sup>2</sup>]</b>	10000
<b>Annual FV production [kWh]</b>	2000000

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### BIPV SYSTEM COSTS

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## Stakeholders

### **Main building designer**

Renzo Piano Building Workshop

### **BIPV components producer**

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