



Konya Science Center

Konya, Turkey

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	Konya Büyükşehir Belediyesi	www.konya.bel.tr www.kbm.org.tr
Architect	A Proje Alchemy Studio	www.aproje.com www.alchemystudio.com
Energy Consultant	Ertext Solar GmbH	www.ertex-solar.at
PV Installer	-	-

BUILDING

Completion year	2013 Building	2013 Plant
Category	New Renovation Enlargement Other	
Typology	Residential Administration Industrial Sport Agricultural Urban Historical Other	

Building Energy Performance kWh/m²y

Description

This is a socio-cultural structure, the Turkey's first large interactive institution dedicated to informal learning about science and technology, located in Konya, the third largest city in Turkey. There are also a main building, a Planetarium dome and an Observatory Tower. The original glazed roof is the principal architectural feature of the building. The roof has a diameter of 110 m and a height of 30 m, covering the four storey concrete structure like an umbrella. The electricity is produced by wind power and by 134 sqm of PV modules. Transparent solar glasses are integrated in some parts of the main building roof. The solar energy produced is also stored in batteries.

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SOURCE: ertex solar

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved	
Façade	Cladding	Balcony	Greenhouse	Curved
Glass	Façade	Roof	Solar shading	Canopy
Orientation	South	West	East	North
BiPV System	Transparent roof			

ARCHITECTURAL EVALUATION

Color	Blue
Transparency	Semitransparent
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	78 VSG 4/4	
		dimensions 1.671 x 1.758 mm	
Power	kWp	11.55	
Size	m²	134	
Energy production	kWh/year	-	
Cost	€/m²	-	