



PV Nord ®

# Multi-storey parking Zwolle (NL)

## Building Details

### CONTACTS

	Name	Website (or e-mail)
<b>Owner</b>	Vof Weezenlandstaete	
<b>Architect</b>	R. Uytengaak Architectenbureau	<a href="http://www.uytenhaak.nl">www.uytenhaak.nl</a>
<b>Energy Consultant</b>	Oskomera	<a href="http://www.oskomera.nl">www.oskomera.nl</a>
<b>PV Installer</b>	Oskomera	<a href="http://www.oskomera.nl">www.oskomera.nl</a>

### BUILDING

<b>Completion year</b>	2004 Building	2004 PV Plant		
<b>Category</b>	<input checked="" type="radio"/> New	<input type="radio"/> Renovation	<input type="radio"/> Enlargement	<input type="radio"/> Other
<b>Typology</b>	<input type="radio"/> Residential	<input type="radio"/> Administration	<input type="radio"/> Industrial	<input type="radio"/> Sport
	<input type="radio"/> Agricultural	<input type="radio"/> Urban	<input type="radio"/> Historical	<input checked="" type="radio"/> Parking

## Description

The project consists of a multi-storey parking in the centre of Zwolle. The facade of the building has approximately 650 m2 of PV amorf modules. PV is integrated into the facade of the Parking instead of normal glass. PV modules have been placed into a specific frame, which is fixed onto the beams of the structure. The architect divided the facade in several parts which differ in width requiring the alternative use of glass and PV in each macro module composing the facade.



## BiPV Details

### LOCATION OF PLANT

<b>Roof</b>	Flat roof	Sloped	Curved
<b>Façade</b>	Cladding	Balcony	Greenhouse Curved
<b>Glass</b>	Façade	Roof	Solar shading Canopy
<b>Orientation</b>	South	West	East North

### ARCHITECTURAL EVALUATION

<b>Color</b>	Brown
<b>Transparency</b>	Opaque
<b>Frame</b>	Mullions for panel fixing

### Aknowledgments

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	a-Si	
	<b>Module</b>	Schoff Solar	
<b>Power</b>	<b>kWp</b>	27	
<b>Size</b>	<b>m<sup>2</sup></b>	650	
<b>Energy production</b>	<b>kWh/year</b>	15000-20000	

