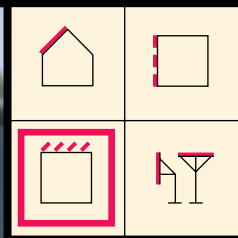


# demosite

IEA PVPS TASK VII EXHIBITION CENTRE FOR PV INTEGRATION

# 13

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STANDARD PRODUCT  
**CUSTOM PRODUCT**  
PROTOTYPE

## AMAX

**AMAX**  
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Case postale 98  
CH-1196 Gland  
Tel. +41 22 364 31 69  
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Email [elmax@bluewin.ch](mailto:elmax@bluewin.ch)

### SYSTEM DESCRIPTION

AMAX uses different, relatively inexpensive, industrial components for a photovoltaic flat roof system.

Standard PV modules are attached to an aluminium support structure anchored into long standard prefabricated concrete foundations. With this system, the watertight layer of the roof does not need to be touched.

A 3 kW installation was installed in 1991 on an administration building of the electricity utility "Romande Energie".



## APPLICATION FIELD

Building type	Flat roof
Building elements	Flat roof element
Mounting technology	Screws and/or glue
PV Module	Any kind of photovoltaic module (framed or laminate) respecting the dimensions of the concrete blocks

## AT DEMOSITE

PV Area	5,8 m <sup>2</sup>
PV Module	Siemens Solar M55
Power, voltage	53 W, 17 V (standard test conditions)
Size	1293 x 330 mm
Connection	2 x 6 modules in series

## AMAX

AMAX was founded in 1981 and accounts for more than a thousand small and medium-sized photovoltaic power plants.

## SYSTEM TECHNOLOGY

The AMAX flat roof system consists of:

- standard prefabricated concrete foundations which serve as ballast and weigh 90 kilograms
- aluminium sections that are bolted to the concrete foundation forming a triangle and supporting the photovoltaic panels
- adhesive tape or screws, depending on the chosen panel type (laminate or framed), used to attach the panels to the aluminium structure.

