

ARCHITECTURAL AWARD BUILDING INTEGRATED SOLAR TECHNOLOGY 2017



Special Recognition Award Building Integrated Solar Technology²⁰¹⁷ (not endowed)

Scheme 091: Basel (CH), Grosspeter Tower (2017)

**Applicants: Planeco, Münchenstein; Burckhardt+Partner – Architekten,
Generalplaner, Basel**

The surrounding facade of the office tower is characterised by a clear grid structure with window openings that become wider with increasing height. The opaque facade surfaces (5,000 m²) consist of CIGS thin-film solar modules (glass - CIGS cell - glass, 440 kW) from the Manz company. Two to three solar sub-modules are applied to a rear panel consisting of expanded glass granules in order to achieve the necessary stability. The different dimensions and architectural requirements have necessitated the need for around 450 different types of facade elements, which are attached to the substructure by means of rear-mounted support channels. This creates a homogeneous surface effect that, combined with the use of string optimisers, provides an elegant and high-performing alternative to natural stone and metal facades.

