New surfaces for solar power

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In order to make Vienna a city of solar energy, new areas must be developed – for example through building-integrated photovoltaic systems (BIPV).

- **Analysis of technical parameters** in the BIPV application and development of innovative standard business models
- Research into optimisation possibilities and the technical variants of a PV system with a **façade-replacing function,** including sensors in the test bed "Technology Centre 2" (TZ2).
- Investigation of the **application of a tenant electricity model** for commercial customers, taking into account the obligation of the City of Vienna to promote solar energy use.

Siemens, Wiener Netze, Wien Energie

Budget: 0.21 million Euro

Testbeds: Technology Centre 2

PV integrated into the construction

ASCR
Aspern Smart City Research

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The benefits:

- Use of vertical surfaces in addition to the roof and horizontal surfaces
- Use of a system directly on site by several tenants (tenant electricity model) saves on grid fees