

## Press Release

Allschwil, May 30, 2018

### **Small connectors with a big impact for an innovative facade-integrated solar power system**

**In the third biggest city in Switzerland, the construction of a new tower with a noteworthy wrap-around facade has been completed. The outside of the building functions as a solar power system, its photovoltaic modules are underneath securely connected using original MC4 connectors from Stäubli Electrical Connectors.**

In the western part of Basel near the rail station, an innovative high-rise building has been constructed which is another landmark in the Swiss city: Grosspeter Tower. At a height of 78 meters, the tower - which is home to offices and a hotel, and has been awarded the architectural prize for building-integrated solar technology - has an impressive exterior. The almost completely black exterior consists of 50 percent glass and 50 percent solid photovoltaic modules. Historically, architecture has had to adapt to the dimensions of modules, but the modern PV modules used in this project are dimensioned according to the requirements of the architecture.

#### **Small connectors, most reliable performance**

The facade of the Grosspeter Tower in Basel features a 6,000 m<sup>2</sup> PV system which consists of modules in some 450 different sizes. The secure connectors on this remarkable “facade solar power plant” are from the experienced specialist for electrical connectors. With its MC4 connector components, Stäubli Electrical Connectors is the world market leader and has set the standard. The connectors from Stäubli, which are ready-made with cable leads, ensure safe, continuously available and long term operations on the Grosspeter Tower. The unique MULTILAM technology is at the heart of all Stäubli connectors. This enables a high current-carrying capacity during both intermittent and long-term operations and a reliable performance at a wide range of temperatures. The exceptional quality and functionality of the MC4 connector components, of which more than 1.5 billion are now in use worldwide, pay off due to their superb levels of reliability during everyday use.

Over 200 GW of the installed global PV output – almost 50 percent – is generated with the use of the Stäubli connector components: proof of the excellent reliability and durability of the products. These connection components also enable reliable electrical power generation at the Grosspeter Tower in Basel, supporting the innovative energy concept based on a geothermal system. Featuring MC4 connectors from Stäubli, the building-integrated photovoltaics system (BiPV) supplies 440 kWp, providing together with the roof-top installation some 30 percent of the needed energy by the office tower.

## Images material

### Stäubli original MC4



### Grosspeter Tower facade (© Burckhardt+Partner, Adriano Biondo)



**Further information**

Stäubli Electrical Connectors  
Dorothee Kössler, Management Communications  
Phone: +41 61 306 55 20  
Email: [d.koessler@staubli.com](mailto:d.koessler@staubli.com)

**About Stäubli Electrical Connectors**

Stäubli is a recognized specialist for advanced contact technology and sophisticated solutions with a product portfolio ranging from miniature connectors up to high-power connectors for power transmission, test and measurement, transportation and many other industries. In Photovoltaics, Stäubli is global market leader with its MC4 connector components. The core of all Stäubli electrical connectors is the unique MULTILAM contact technology. [www.staubli.com/electrical](http://www.staubli.com/electrical)

**About Stäubli**

Stäubli is a mechatronics solutions provider with three dedicated activities: Connectors, Robotics and Textile. With a global workforce of over 4,500, the company generates annual turnover surpassing 1.1 billion Swiss francs. Originally founded in 1892 as a small workshop in Horgen/Zurich, today Stäubli is an international group headquartered in Pfäffikon, Switzerland. Worldwide, Stäubli operates twelve industrial production sites and 29 subsidiaries, expanded with a network of agents in 50 countries, delivering innovative solutions to all industrial sectors. <http://www.staubli.com/de/firmenprofil>