



SIKA AT WORK

OLD ELECTRICITY PHILIPS CENTRAL, EINDHOVEN, THE NETHERLANDS

SEALING: Sika® Primer, SikaHyflex®, Sika® MonoTop®, MonoTop®, SikaQuick®,
SikaTop®, Armatec®

BUILDING TRUST



CONVERSION OF THE OLD ELECTRICITY PHILIPS CENTRAL

PROJECT DESCRIPTION

The business park Strijp-T belongs, together with Strijp-S and Strijp-R, to the former Philips production locations in the Strijp district. In the meantime Philips had withdrawn all its activities and its properties were sold to private parties.

After shutting down the activities, the former Building TR, the then power plant of Philips on the Strijp-T terrain was transformed into the "Innovation Powerhouse". This is now the place for the creative manufacturing industry of the Brainport region.

With this transformation Strijp-T was supposed to have a more open character and the building next to office central is also used as an event location. The companies that are now establishing themselves are still in the start-up phase. It will be a central place where companies collaborate intensively on innovative products in the field of design and technology. When new product ideas are conceived and immediately prototypes are produced.

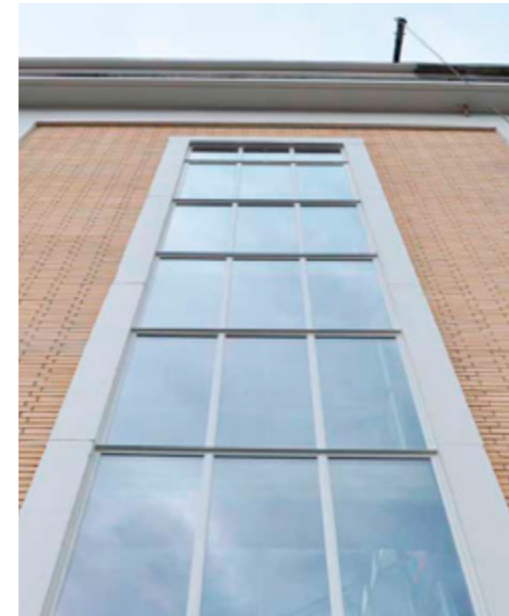
PROJECT REQUIREMENTS

The old Philips factory buildings are monumental and decisive for the cityscape in Eindhoven. These buildings give a new destination to the city. After many years of vacancy, all buildings on the Strijp-T were thoroughly inspected. The preservation of the industrial character was essential, also regarding the interiors of the building.

SIKA SOLUTIONS

Dusol Property Maintenance B.V. was appointed to carry out large parts of the renovation of the power station. The original concrete structures and the old masonry were maintained. There was damage to concrete parts such as stairs, ceilings and walls as well as floors.

Frank van den Reek, executor at Dusol Vastgoedonderhoud, was involved in this renovation from the beginning of 2016 and recalls that challenge was to keep the unique, aesthetic appearance of these buildings and recover the building only technically. The original old plank formwork including old paint layers had to remain intact.



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The exposed reinforcement steel was bonded with multiple layers of SikaTop® Armatec-110 EpoCem®, a 3-component corrosion protection coating for reinforcing steel and bonding bridge (CE according to EN 1504-7). The repair mortar SikaQuick®-506 FG was applied for a uniform finish and Sika® MonoTop®-723 N was used as a fine leveling mortar. As well Sika® MonoTop®-910 N bonding bridge was used.

In addition to repairing the concrete structures, all expansion and connection joints were replaced. After removing the old sealants the joint flanks were treated with Sika® Primer-3N and then sealed off with SikaHyflex®-250 Facade. Both inside and outside concrete repairs and seals were carried out on the old factory buildings TQ and TR. From 2016 Dusol Vastgoedonderhoud has been working continuously with an average of 10 people on this large-scale project. The entire project was finished early 2018.

PROJECT PARTICIPANTS

Architect: Eugelink Archituur B.V. & Van Boven Architects

Installer: Dusol Vastgoedonderhoud B.V.

Sika organization: Sika Netherlands

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