



SIKA AT WORK

POWERHOUSE KJØRBO

The world's most environmental friendly office building

BUILDING TRUST



POWERHOUSE KJØRBO, SANDVIKA

The world's most environmental friendly office building



POWERHOUSE KJØRBO IS THE first renovating office building in the world that produces more energy than it consumes. Powerhouse Kjørbo contains two office blocks from the 80'ties, which are transformed to contemporary and modern office premises. The goal for the buildings are to produce more energy than they consume during their life cycle. By mean of solar panels, Powerhouse Kjørbo will produce more than 200 000 kWh annually.

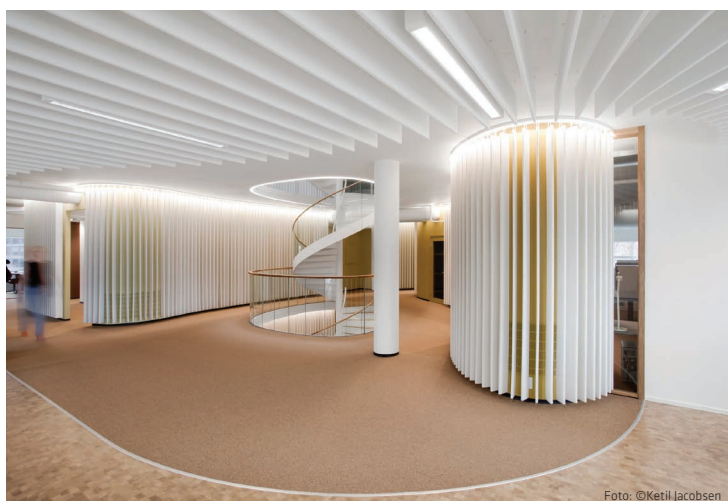


Foto: ©Ketil Jacobsen

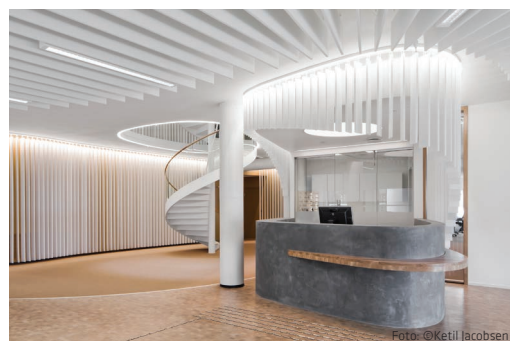


Foto: ©Ketil Jacobsen



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BREEAM® NOR



PROJECT DESCRIPTION

Powerhouse Kjørbo contains two office blocks from the 80'ties, which are transformed to contemporary and modern office premises. The goal for the buildings are to produce more energy than they consume during their life cycle. By mean of solar panels, Powerhouse Kjørbo will produce more than 200 000 kWh annually.

The interdisciplinary design process has from the very beginning created new and innovative solutions. For the design phase, the project achieved BREEAM-NOR certification Outstanding.

PROJECT REQUIREMENTS AND SIKA SOLUTIONS

High focus on environment based on BREEAM-NOR, passive house standard NS 3701 and a goal to become a Powerhouse plus house when it comes to energy, Powerhouse Kjørbo has achieved the most prestigious certificate for an environmental classification with BREEAM-NOR Outstanding. The result has been the world's most environmental friendly office building. The process has been challenging for all involved. The demanding requirements of BREEAM-NOR select the best products and solutions as driving forces.

For the structural glazing Hubro AS, with Norsk Hydro as aluminum supplier chose SIKA SIL GLAZE-500 for the job. For extensive sealing of joints, SIKAFLEX-15LM was the preferred sealant solution. Insulation was accomplished with SIKA BOOM. Grouting was fulfilled with SIKAGROUT.

PROJECT PARTICIPANTS

Owner:	Entra Eiendom AS
Architect:	Snøhetta as
Specifier:	Asplan Viak, Skanska Teknikk, Itech
Contractor:	Skanska Norge AS
BREEAM-NOR AP:	Skanska Teknikk
BREEAM-NOR assessor:	Multiconsult
Research and development-Partner:	The Research Centre on Zero Emission Buildings (ZEB)

SIKA PRODUCTS

- Sika Sil Glaze-500
- Sikaflex-15LM
- Sika Boom
- SikaGrout

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.

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