

SKYPER FRANKFURT

enercret energy piles to reduce CO₂ emissions



Office building

Building Height: 151 m
No. of Floors: 40
Completion: 2004

Clients

DEKA Immobilien, Frankfurt-G
ABG Allgemeine Bauträger- und Gewerbeimmobiliengesellschaft mbH & Co, Cologne-G

Architect

J.S.K. Architekten, Frankfurt-G

Building Services Planning

P. Berchtold, Ingenieurbüro für Energie- und Haustechnik, Sarnen-CH

enercret - Installation

The foundation piles of up to 35 m in length with a diameter of 90 cm to 150 cm were fitted with the energy system enercret, which involved installing approx. 30 km of HDPE piping dia. 25 x 2,3 mm.

The energy extracted from the ground covers part of the heating and cooling requirements of the high-rise building and cuts annual CO₂ emissions by 90 tonnes.

Cooling capacity	160 kW
Heating capacity	300 kW
Cooling output/month	max. 75 MWh
Heating output/month	max. 100 MWh

