

Free Energy supply HYSS to Skanska's housing project Norra Vitsippan outside Stockholm

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HYSS helps Skanska in realizing their goal of creating net zero-energy houses on commercial terms!

Free Energy supply the heating system to Skanskas latest cutting-edge project Norra Vitsippan in Salem, outside Stockholm. Along with NREP, Skanska is developing a residential area with 108 apartments, divided into seven houses as a net zero-energy project.

Norra Vitsippan in Salem is one of Skanskas new housing projects that is taking steady steps towards climate-neutral buildings. The houses receive their electricity and heat supply from solar and thermal energy. Free Energy's HYSS High Power provides the heating and hot water. The energy demand is decreased by 80 percent by connecting solar heat to a hybrid heat pump. With Free Energy's innovative HYSS system, solar heat is provided to a geothermal heat pump which renders an extremely high heat factor. HYSS' unique control system utilizes solar heat where it is most advantageous. The result is a doubling of the heat factor for the heat pump compared to conventional technology.

Facts about Skanska

Skanska is one of the world's leading construction and project development companies. By leading the way in sustainability, the company offers highly competitive solutions. Skanska's values contribute to a sustainable future for both customers and society, while financial gain is created for the shareholders. In 2019, the Group had approximately 9,200 employees in Sweden and 34,800 for the entire Group. The turnover in Sweden was SEK 41 billion and total turnover of SEK 176.8 billion for the Group. The company operates in ten countries in Europe and the United States.

Facts about NREP

NREP is a Nordic real estate developer, investor and operator that aims to make properties better by taking the end user's needs as a starting point. NREP looks at real estate from several different perspectives and uses interdisciplinary teams to develop properties and real estate concepts that create long-term value for tenants, investors and the local communities in which they invest.

Read more about the project:

<https://www.skanska.se/om-skanska/press/pressmeddelanden/247768/Skanska-och-NREP-tar-kliv-mot-klimatneutralitet-i-sitt-forsta-hyreskvarter-med-netto-nollenergihus>

<https://www.skanska.se/vart-erbjudande/vara-projekt/247731/Norra-Vitsippan%2c-Salem>

Video about the project:

https://www.youtube.com/watch?v=VjF_cgC1Zx0&feature=youtu.be

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Norra Vitsippan in Salem outside of Stockholm - overview image



Norra Vitsippan in Salem outside Stockholm - living environment image



This is how HYSS (Hybrid Solar System) combines geothermal heat and solar energy.