



Powerhouse Kjørbø

Powerhouse Kjørbø is the first energy-positive building and the first in the world to be renovated into an energy-positive structure.

The solutions for heating, cooling and ventilation are based on the principles used at Powerhouse Kjørbø, but have been further developed and optimised with a view to the function and cost of the building. Photo: Robin Hayes. Photo: Stephen ...

Powerhouse Drøbak Montessori school. This is the most environmentally-friendly school in Norway. During its lifetime, it will generate more energy than it consumes. Read more. Powerhouse Kjørbø. Powerhouse Kjørbø in Sandvika, Norway, is a success story which has aroused considerable international interest. Read more. Future proof buildings.

Powerhouse Kjørbø is the first renovated office building in the world that produces more energy than it consumes. It contains two office blocks from the 80'ties, which were transformed into contemporary and modern office premises. With the use of solar panels, Powerhouse Kjørbø produces more than 200,000 kWh annually.

Powerhouse Kjørbø has received national and international attention, and the building has been nominated for a number of awards. Powerhouse Kjørbø demonstrates that it is possible to renovate existing properties into energy-plus buildings in cold climates, and that such renovations make commercial and environmental sense to the parties ...

Powerhouse Kjørbø in Sandvika outside of Oslo opened in April 2014 and is the first finished project of the Powerhouse collaboration. Two office buildings from the early 1980s have been refurbished, reducing their energy use by 90 percent.

The first project realized by the collaboration partners was Powerhouse Kjørbø, located in Sandvika outside Oslo, Norway. This was the first energy-positive building in Norway, and to our knowledge the first renovated energy-positive building in the world. Other net-zero and energy-positive buildings by Snøhetta include Powerhouse ...

Powerhouse Kjørbø was aiming for - and achieved - a rating of Outstanding, the highest level in the BREEAM-NOR environmental certification system. It is probably the world's first energy-plus building created by energy ...

Powerhouse Kjørbo is the world first rehabilitated plus-house. This implies that it over its expected timespan of 60 years will produce more renewable energy than it consumes, including the production of material and rehabilitation. ... The Powerhouse Kjørbo produces over 200 000 kWh electricity annually. The building has been given BREEAM ...

Powerhouse Kjørbo. Snøhetta is one of the partners in the Powerhouse project, along with the construction company Skanska, the environmental organization ZERO, the aluminium companies Sapa and Hydro, the consultancy company Asplan ...

Powerhouse Kjørbo is the first renovated energy-positive building in Norway. It is energy efficient and produces more energy than it consumes during its lifespan. The calculations of energy-positive includes energy used for production of building materials, construction, operation and disposal of the building.

Powerhouse Kjørbo is built over grass and it takes up to 5,200 square meters. The building is estimated to consume around 250kWh per square meter each year. The roof is packed with numerous solar panels that collect around 200,000 kWh per year, which is a lot more energy needed for the building annually.

The Powerhouse Brattøkaia in Trondheim, Norway is the world's northernmost energy-positive building and sets a new standard for the construction of the buildings of tomorrow. ... Powerhouse Kjørbo Making old buildings energy-positive. Architecture, Interior Architecture, Landscape Architecture 2012-2014 Powerhouse Telemark A sustainable ...

Just like its ambitious sister projects Powerhouse Kjørbo, Powerhouse Montessori and Powerhouse Brattøkaia, Powerhouse Telemark aspires to be model for environmentally, socially and economically sustainable architecture, while also challenging our conception of what our offices might look like in the post COVID-19 era.

Powerhouse Kjørbo in Sandvika outside of Oslo opened in April 2014 and is the first finished project of the Powerhouse collaboration. Two office buildings from the early 1980s have been refurbished, reducing their energy use by 90 percent. The solar panels on the roofs can produce more than 200 000 kWh per year - twice the amount needed to ...

The solutions for heating, cooling and ventilation are based on the principles used at Powerhouse Kjørbo, but have been further developed and optimised with a view to the function and cost of the building. The total cost of the building, including engineering, is NOK 27.5 million. Facts: Location: Drøbak:

The Smart by Powerhouse guide is a tool that can be used for design, development and communication regarding smart commercial buildings, both new constructions and rehabilitation projects. [READ MORE](#). Creating value. Interaction provides added value. Combining extreme energy performance, a favourable



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indoor climate, low energy impact and robust ...

The Powerhouse Alliance The Powerhouse Alliance includes the companies: Snøhetta Architects, Skanska, Hydro, Entra Eiendom and the NGO Zero. The Powerhouse concept was first launched in 2011. The proposal for the first Powerhouse project, a new office building in Trondheim, was presented in 2012. The Powerhouse Kjørbø is the first renovation

Powerhouse Kjørbø is the first office building to become energy-positive after refurbishment, producing more energy than it consumes over its lifetime. By optimizing and combining existing technologies in new ways, the project partners behind Powerhouse Kjørbø have transformed an inefficient 1980's office block into a modern, energy ...

Powerhouse Brattørkaia is the biggest new energy-positive building in Norway, and will generate more energy in its operational phase than it consumed through the production of building materials, construction, operation and disposal of ...

Powerhouse Kjørbø, Bærum, Norway Program: renovation Architects: Snøhetta Contractor: Skanska Environmental organization: ZERO Aluminium: Sapa and Hydro Consultancy: Asplan Viak Property-management: Entra Eiendom Client: Entra Eiendom Area: 5,200 sqm Completion: February 2014

Powerhouse Kjørbø is the first project that the Powerhouse cooperation has completed, and the first time a building has being rehabilitated as a plus house. The method can easily be transferred to other office buildings. You can also read about Powerhouse Kjørbø in the booklet "Think twice before demolishing.

Powerhouse Brattørkaia, Trondheim _#169;Ivar Kvaal. Powerhouse Brattørkaia is however the largest building of its kind erected so far. Located at the northern end of the globe, adjacent to the port of Trondheim, Norway, Powerhouse Brattørkaia explores the possibilities of a sustainable future for buildings to come. Aims

Powerhouse Telemark will produce approximately 239,000 kWh annually from its own solar cell plant, and is thus a small power plant delivering surplus energy back to the grid. ... Powerhouse Kjørbø To the project. More projects. Powerhouse Drøbak Montessori school To the project. More projects. Powerhouse Brattørkaia To the project. Leading ...

Powerhouse Kjørbø, Bærum Snøhetta . Typologies Commercial / Office ; Date 2012 - 2014; City Bærum ; ... company Asplan Viak and the property management firm Entra Eiendom with the aim of renewing a group of offices in Kjørbø, a seaside town in the municipality of Bærum, outside Oslo. By optimizing and combining existing technologies in new ...

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Powerhouse kjarbo

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