

Avedøre Holme

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**vision: The most sustainable
Business Area in Denmark**

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Renewable Energy and Climate

Ambition

- To optimize our overall energy consumption and become self-sufficient with renewable energy

Focus Areas

- Establishment of an energy community and sharing of energy between companies
- Installation of wind turbines and solar panels
- Integration and support of green transport (improved cycling infrastructure, carpooling, electric cars, e-buses, and e-trucks)
- Flexibility services to the power grid and increased resilience to fluctuations in electricity supply and district heating
- Optimization of efficiency in the district heating system, including exploration of industrial process heat utilization



We can become self-sufficient with renewable energy

- 3 x 3,5 MW Wind mills
- 75% roof areas covered with solar panels

	Alternativ A (10,5 MW vind, 7,5 MW sol)	
Elmarkedspris	55 øre/kWh	50 øre/kWh
Samlet egenproduktion [GWh]	41,4	41,4
- samlede egenpris/år [mio.kr.]	15,8 + 23,6	15,8 + 23,6
Egenudnyttelse [GWh]	33,6	33,6
Køb på elnettet [GWh]	8,8	8,8
- samlet udgift/år [mio.kr.]	20,7	19,7
Salg til elnettet [GWh]	7,5	7,5
- samlet indtægt/år [mio.kr.]	2,3	2,3
Samlede omkostninger [mio.kr.]	57,8	56,8
Aktuelle omkostninger	92,9	88,3
Potentiel besparelse	35,1	31,5
Andel af elforbrug dækket	79 %	
Andel egenprodukt. af forbrug	97%	





- **Approx. 500 companies**
- **Located close to Copenhagen**
- **A total business area of 450 hectares**

We offer a large scale living lab / test area