

Energy Audits - Cost-efficiency in companies with low energy consumption

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Why evaluate costefficiency in companies with low energy consumption?

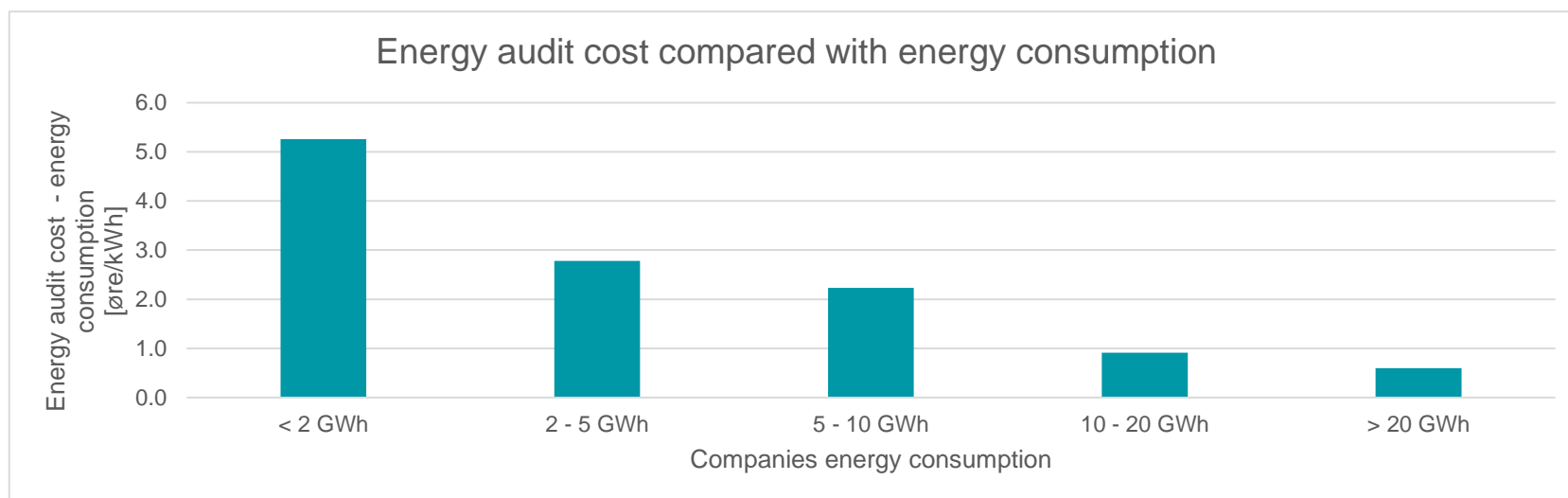
- Reports from 2017
 - Evaluering af energisyn i store danske virksomheder, Januar 2017
 - Status på Energisyn, Marts 2017

The report "Evaluering af energisyn i store danske virksomheder" is based on 145 phone interviews of large companies there have done energy audit.

The report "Status på Energisyn" is based on 236 audit reports from large companies there have done energy audit.

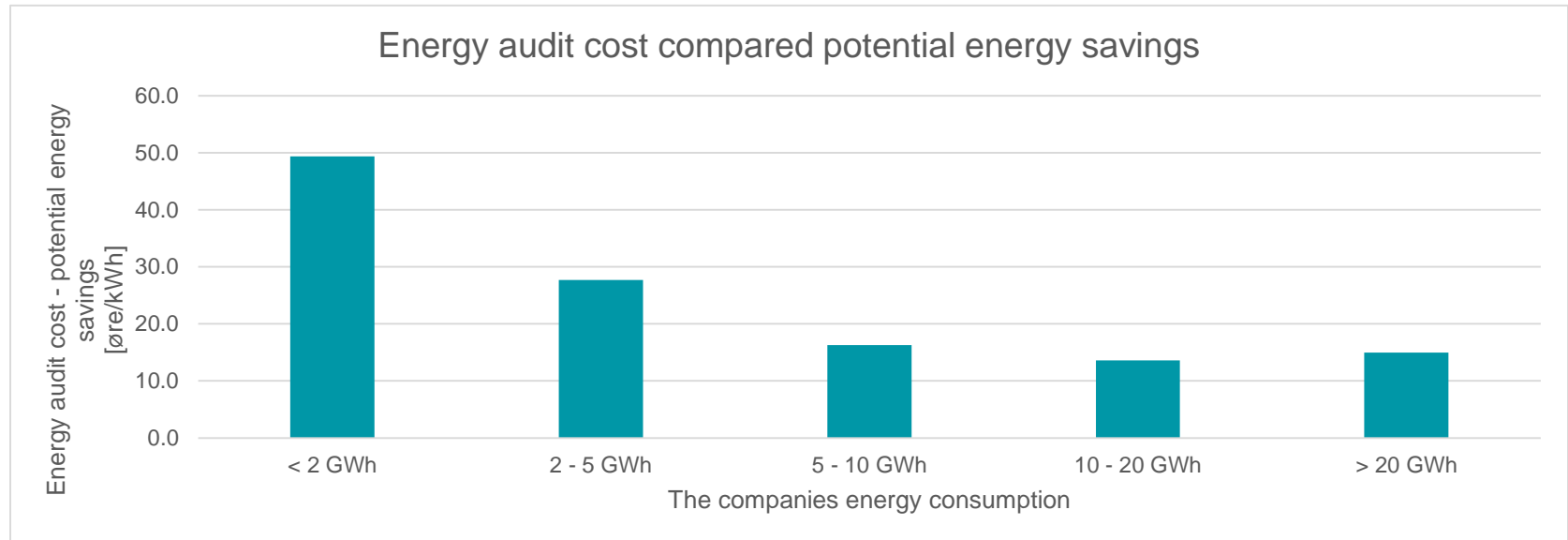
These reports showed

- Average audit cost of around 175.000 kr. (23.455 euro).
- Audit cost is more correlated with industry than with the number of employees.
- Link between high audit cost – better audit satisfaction



- Higher audit cost per kWh consumption for companies with lower low energy consumption

These reports showed



- Higher audit cost per kWh potential energy savings for companies with lower low energy consumption
- Confirms the need for a lower limit energy consumption
- Suggestions that the lower limit is raised
- Limited amount of data on companies with low energy consumption

Investigating companies with low energy consumption

The report "Cost of energy audits- for companies with low energy consumption in Denmark" is based on 550 audit reports from large companies.

Two target groups

- Target group 1 – Companies with an annual energy consumption from 0,1 – 0,5 GWh
 - Number of companies 17, 3% of the 550 companies.
- Target group 2 – Companies with an annual energy consumption from 0,5 – 1,0 GWh
 - Number of companies 29, 5% of the 550 companies.

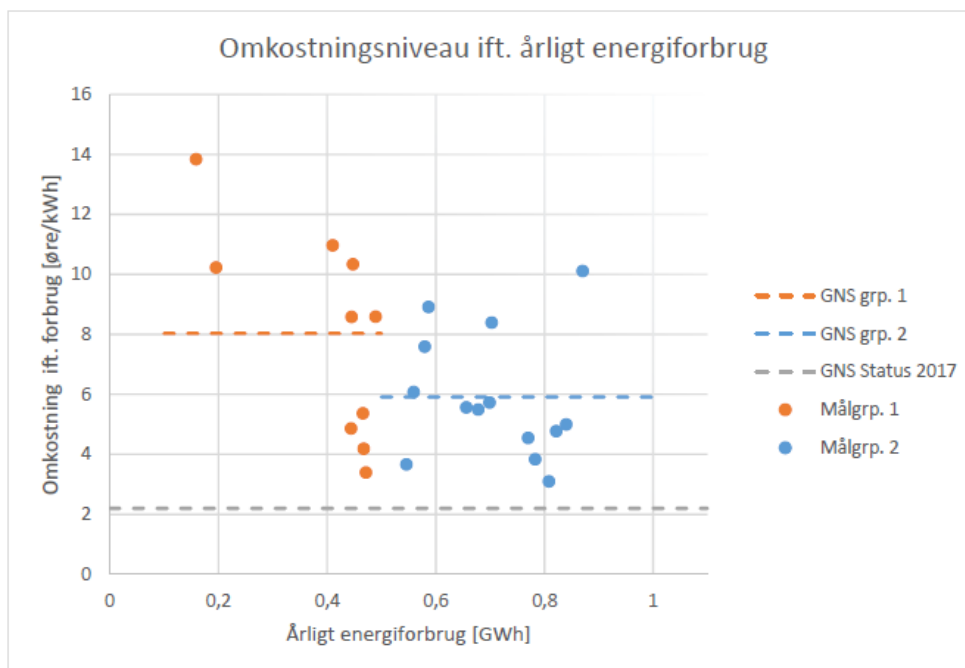
The results of the report - Energy audit cost compared with energy consumption

Looking at the average cost levels for the two groups .

- Target group 1 is approx. 8 øre per kWh.
- Target group 2 is approx. 6 øre per kWh.

Respectively 3.7 and 2.7 times higher than the average cost level of 2,2 øre per kWh.

This indicates that companies with low energy consumption has a high cost compared to energy consumption level



The results of the report - Energy audit cost compared potential energy savings

Looking at the average cost levels for the two groups .

- Target group 1 is approx. 92 øre/kWh
- Target group 2 is approx. 57 øre/kWh

Respectively 2.9 and 1.8 times higher than the average cost level of 32 øre/kWh.

These reports indicates that companies with low energy consumption has a tendency to have a less cost-efficient energy audit due to higher cost in comparison to potential energy saving and their energy consumption.

Thank you!

Further information:

- The Danish Energy Agency:
<https://ens.dk/ansvarsomraader/energibesparelser/virksomheder/energisyn-i-store-virksomheder>
- Søren Hvidgaard Pøder, 0045 33923850, shp@ens.dk