VILLUM RESEARCH STATION, ENERGY

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ICLIMATE INTERDISCIPLINARY CENTRE FOR CLIMATE CHANGE

ENERGY 15TH DECEMBER 2020



CONTENT

Where is Villum Research Station

The energy system

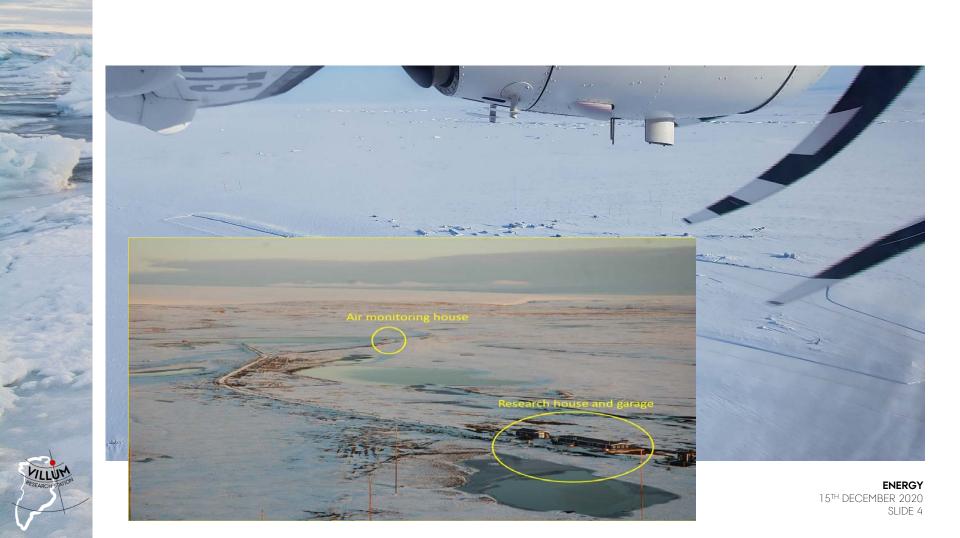
The basic structure of buildings at The Station

VILLUM RESEARCH STATION, GREENLAND 81° 36'N 16° 40' W









ENERGY CONSUMPTION IN BUILDINGS

2018

	Solar cells	Consumption
Month	kWh	kWh
Jan		14,900.00
Feb		13,964.00
Mar	150.00	11,547.00
Apr	1,458.00	7,717.00
May	1,998.00	5,092.00
Jun	2,960.00	4,220.00
Jul	2,628.00	3,225.00
Aug	3,134.00	5,728.00
Sep	455.00	6,662.00
Oct	42.00	8,849.00
Nov		9,219.00
Dec		14,359.00
sum	12,825.00	105,482.00

12% of energy is covered by solar panels Total cost is 69,396.05 € and Solar panel saves 8,437.50 € Construction 134,000 €





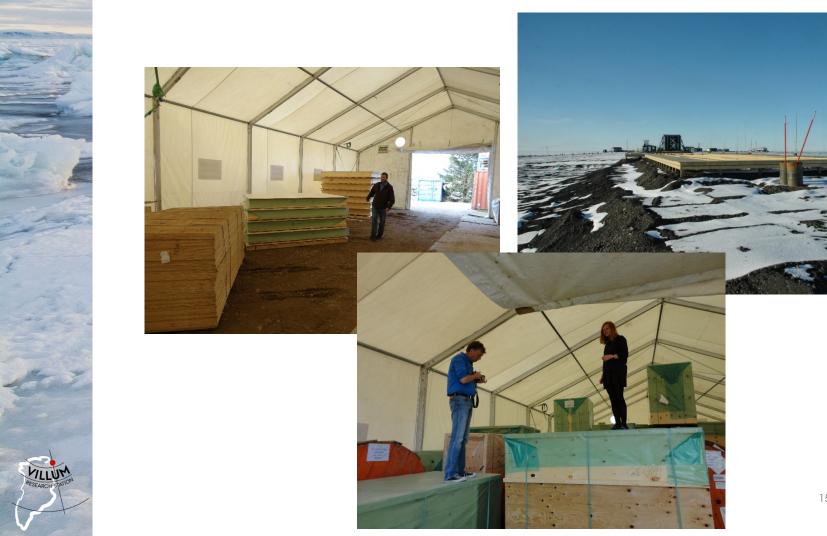
TRAVELS AND TRANSPORT AT STATION

Diesel driven power generators
Fill the aircrafts as much as possible
Use bikes, ski etc. as much as
possible

Make insolation and build low



5TH DECEMBER 2020



ENERGY 15TH DECEMBER 2020 SLIDE 7









ACKNOWLEDGEMENT

- Villum Foundation is acknowledged for the large grant making it possible to build the new research station at Station Nord
- Interact
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- Colleagues at AU-ENVS

Thank you for your attention

