



Polarium

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Polarium

Company intro



We envision a world with endless energy.

A world where energy no longer comes from finite sources. Where all energy is renewable, and where the flow of energy never stops. We believe that this is within reach, but to get there we need great energy storage.

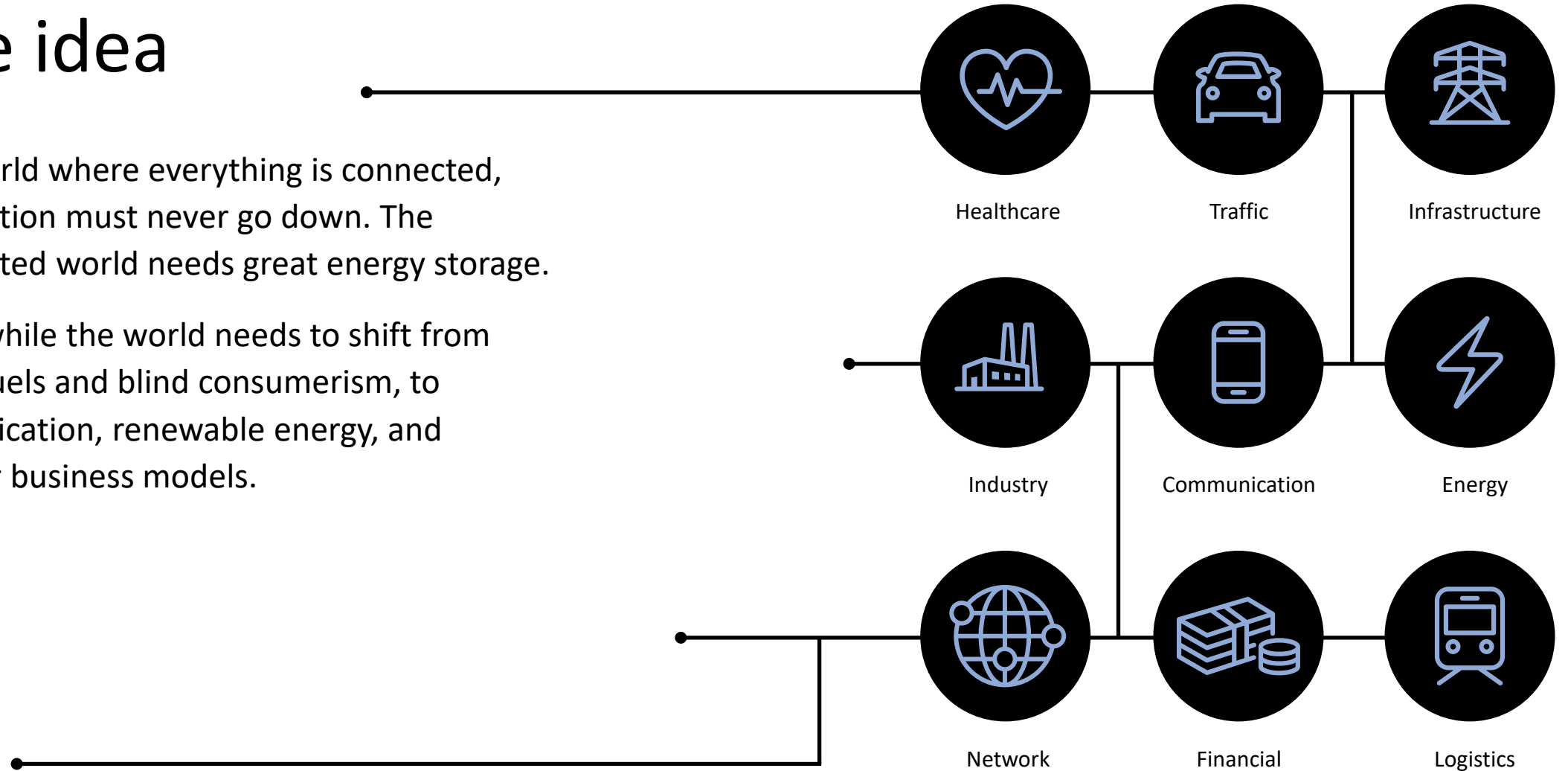
And lots of it. Fast.

This is where we come in. We want to enable endless energy through great energy storage solutions. **Green, safe, seamless.**

The idea

In a world where everything is connected, connection must never go down. The connected world needs great energy storage.

Meanwhile the world needs to shift from fossil fuels and blind consumerism, to electrification, renewable energy, and circular business models.



This is Polarium

Polarium is a Swedish company dedicated to providing the best performing, safe and sustainable energy storage solutions built on lithium-ion technology. We were founded in 2015 with the purpose to empower a smart and sustainable world with the help of energy storage.

Our headquarters and R&D center are situated in Sweden and the manufacturing in Mexico. Through our global sales channels and representations, we serve customers worldwide.

Today, our market-leading solutions are in use on all continents and in all climate zones – from the Equator to the Arctic – ensuring that the flow of energy never stops, while enabling our customers to reduce cost and carbon footprint.



Polarium Today

250,000+

Installed batteries

300%

People

50+

Countries with
installations

100%

Sales growth/year
since start

ERICSSON 

 telenor

 vodafone

NOKIA

américa 
móvil


AMERICAN TOWER

 ELTEK
A Delta Group Company

 Apollo
Towers

Our Segments & Solutions



Telecom

- Back-up
- Hybrid



Commercial

- Stand Alone Storage
- Solar + storage
- Microgrid
- EV Charging



Industrial

- Stand Alone Storage
- Solar + storage
- Microgrid
- EV Charging

Our mission

We are on a mission to create the best energy storage solutions in the world.

The guiding principle that got us to where we are today, and that will guide us going forward, is to always strive to be one step ahead.

Polarium is constantly improving our energy storage solutions, finding new and innovative ways to solve our customers' pain points, and identifying new opportunities that our solutions can enable.



Polarium Outdoor Family



Power 1500W DC/DC

Outdoor (IP65) Product - **Available Q2, 2021**

Preliminary Specification

- 1500 W (HV dc/dc), 3250 W peak shave (w battery)
- Output 56,5 V dc (56,5 – 42 V dc w battery)
- 3 load output ports + additional port for batteries
- High voltage dc-input +/- 190 V dc (125Vdc-200Vdc)
- Operating temp – 40 °C – + 65 °C
- Certification to UL requirements

Pre-study ongoing to bring out 1500 W ac/dc version in Q4



Battery 43 Ah

Outdoor (IP65) Product - **Available Q2, 2021**

Preliminary Specification

- This 43Ah unit is designed for back-up or peak-shave
- Up to 3 units in parallel for increased capacity.
- In typical configuration it will provide 31 Ah (2000W/47mins) or 22.8 Ah (2300W/30 mins)
- Max discharge current 55 A
- Charge voltage up to 58.8 V
- Charge current control from 6 A (cut-off at 10 A)
- Operating Temperatures -40°C - + 60°C
- Weight: ca 22 kg

There is also a smaller, 8 Ah version for short back-up



Power & Battery 1500W/45Ah

Outdoor (IP65) Product – **Available Q4, 2021**

Preliminary Specification

- 1500 W (ac/dc) 3250 W peak shave
- 45 Ah battery
- 3 load output ports + 1 port for additional battery
- ac-input 230 Vac
- Operating temp – 30 °C – + 60 °C
- Connectivity options (to be defined)
- UL and IEC approval





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Overview