



SHE is so cool

Flatpack2 SHE Rectifier

SHE is so cool:

Efficiency taken to the next level

The Flatpack2 SHE rectifier takes conversion efficiency from high to super high. This makes it even cooler and greener than its Flatpack2 HE predecessors, contributing to reduced cost of ownership and a lighter environmental footprint.



From HE to SHE

The Flatpack2 HE and its high efficiency technology was a revolution in power conversion when it was first released in 2008. Featuring 96.5% efficiency, the Flatpack2 HE has since defined the industry standard when it comes to quality and conversion efficiency. The Flatpack2 SHE rectifier takes efficiency one step further into the 98% range, thereby cutting emissions by another 50%.

Improved efficiency, proven quality

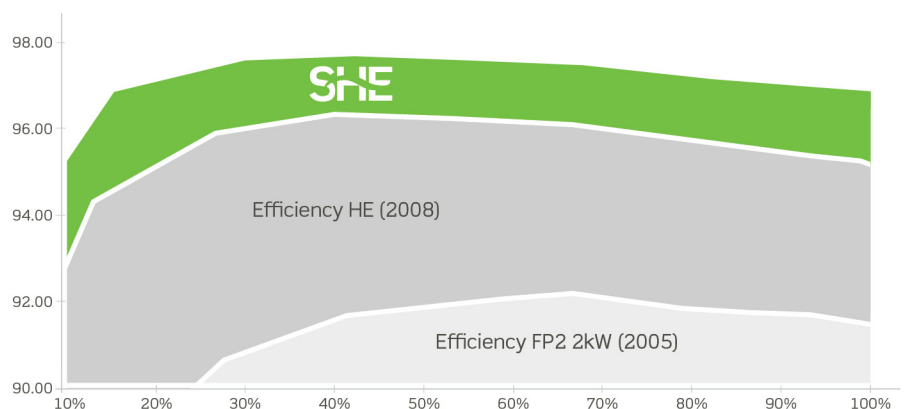
The Flatpack2 SHE is a natural evolution of the Flatpack2 HE, built on a technology that has been tested and proven over time. But it is also the result of innovative new solutions. In a joint development project with Infineon, a leading component supplier, a new type of GaN power transistor, CoolGaN™ has been developed, tested and extensively verified. This component helps increase efficiency from high to super high, without driving cost through the roof. And, of course, without any compromise when it comes to the reliability and quality that Flatpack2 owners have become accustomed to.

An attractive option

The Flatpack2 SHE stands out as the most cost effective module design in the market and will provide the best performance on all criteria,

50% reduction of power loss

Flatpack2 SHE is the coolest conversion module ever - reducing wasted energy and heat dissipation to a minimum. The difference between HE and SHE is illustrated below.



including cost of ownership, particularly in markets where power prices are above average. Backwards compatibility with all 3kW Flatpack2 modules makes upgrading simple - modules can be hot-swapped without interfering with system operation.

Key Features

- High power density - 33 w/in³
- Backward compatible with all 3kW Flatpack2 modules
- Global compliance
- Patented technology
- Hot pluggable

ENGINEER

Erik Myhre

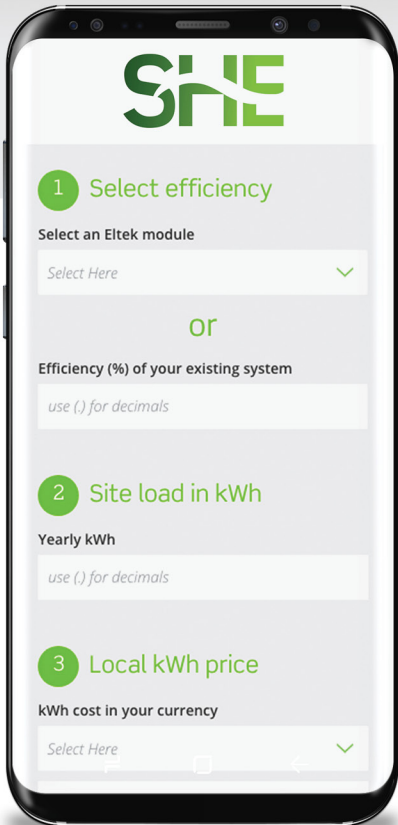
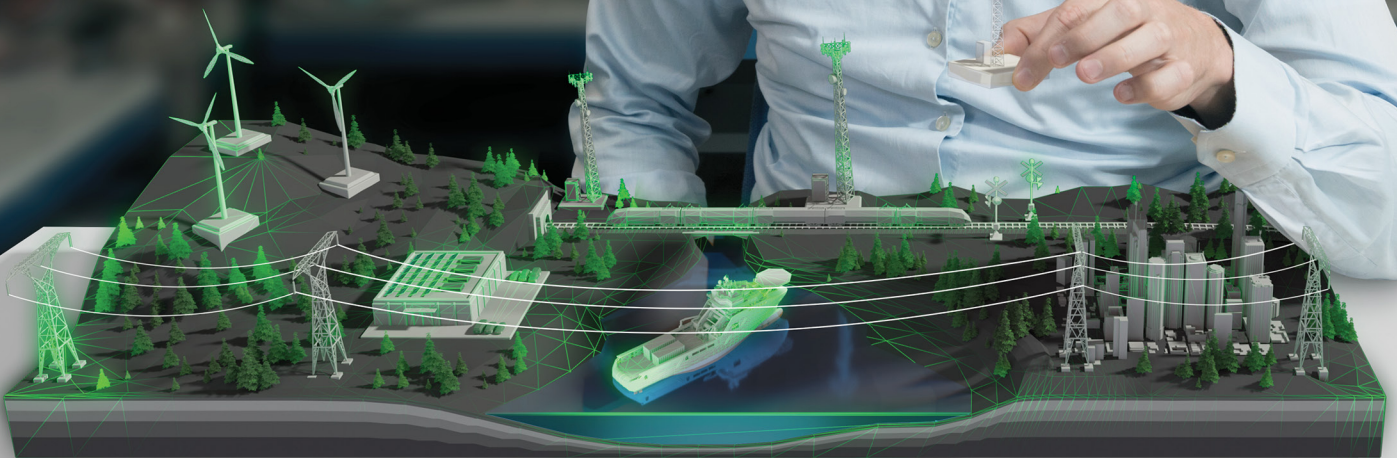
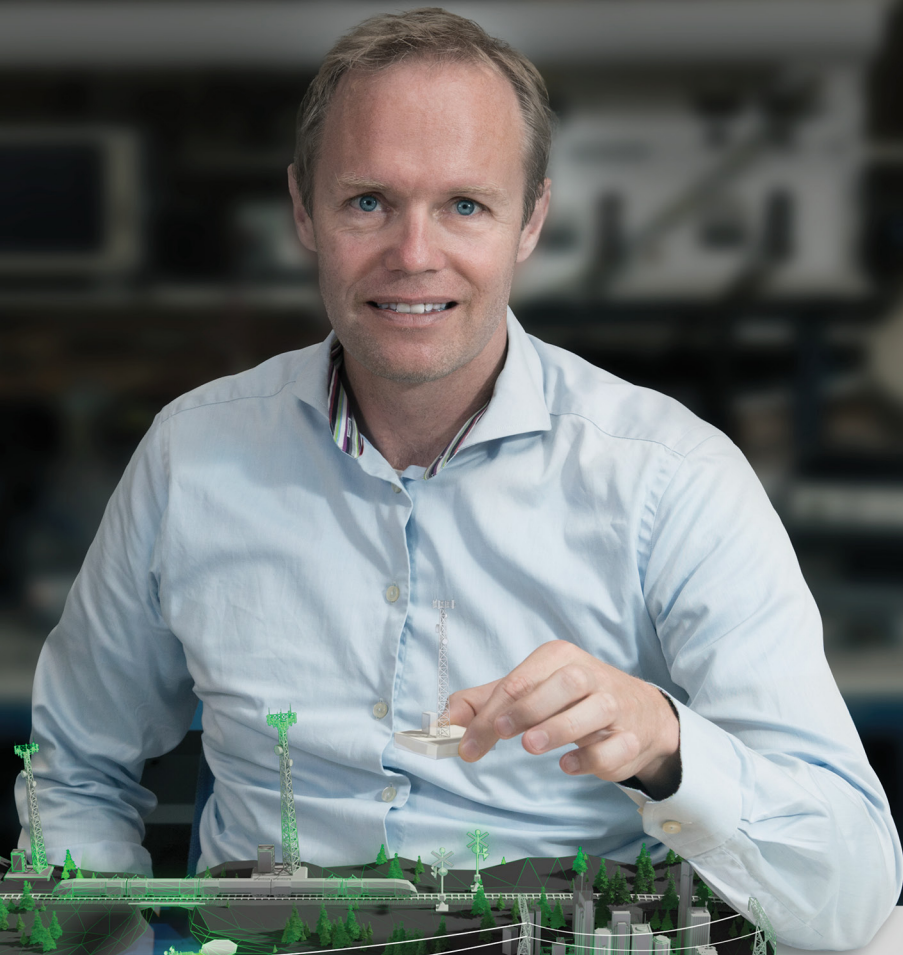
POSITION R&D Manager, Power Electronics

CONTACT erik.myhre@eltek.com



Watch the video

Meet Erik Myhre in this 2 min. documentary to learn how SHE came to life



www.eltek.com/SHE/calculator

- We are confident that the Flatpack2 SHE has the most reliable and cost-effective module design in the market. It is based on the same proven concept that has made the Flatpack2 HE such a great success, and further enhanced with new innovative technological solutions, says Erik Myhre, head of the Flatpack2 SHE development team.

SHE Calculator - check out your savings potential

The savings effect and impact - in terms of reduced energy usage, environmental footprint and OPEX - depends on the number of modules replaced, their age and performance - and for new systems - the efficiency and reliability of alternative options. The following examples provide a fair representation of the savings potential:

| | Single base station South Italy | Central office in UK |
|---------------------------------|------------------------------------|-------------------------|
| System load (avg.) | 6 kW | 250 kW |
| Energy cost (kWh) | 0.17 € | 0.13 € |
| Annual consumption* | 57 130 kWh | 2 380 434 kWh |
| Annual Energy cost reduction* | 576 € | 18 352 € |
| Annual CO2 emission reduction** | 2.2 tons | 97.3 tons |

* Based on existing rectifiers with 92% efficiency

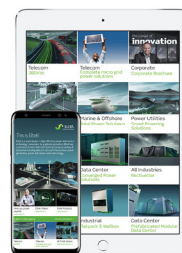
** Source: Environmental Protection Agency (EPA) estimated one kilowatt-hour produces 1.52 pounds (0,689 kg) of carbon dioxide (excluding line-losses).

Eltek Publications

always updated, all in one place

Get easy access to brochures, our product finder, movies and other useful information. Download our app by searching the App Store or Google Play for Eltek.

[in](#) Eltek AS [f](#) @Eltekcorp [t](#) @EltekCorp [v](#) Eltek AS [i](#) Eltekcorp



EXPERIENCE THE POWER.

At Eltek, we are power experts with a sharp focus; to develop and provide our customers all over the world with the greatest power solutions available for applications used in an industrial context - where stable, safe and efficient supply of power is crucial.

This has been our passion and motivation for more than 45 years: to innovate and lead the way in power conversion and control. Today, we help our customers optimize and safeguard the operation of business-critical equipment, reduce their carbon footprint, while, at the same time, reduce the total cost of ownership of their power supply equipment.

Nordic by birth, we have grown to service all countries and cultures, offering the best global technology and solutions matched to local requirements.

The combination of superior expertise, advanced solutions, responsive support and service, makes it possible for our more than 2,000 passionate and proactive power experts worldwide to provide our customers with a unique, powerful experience.

www.eltek.com/SHE
telecom@eltek.com