



**MADE IN SWEDEN
E-SITE®**

**WE ARE
CHALLENGING
THE USE OF
DIESEL**

**WHEN LOOKING FOR A SMART TELECOM SOLUTION
THAT CUTS FUEL COSTS BY MORE THAN 80 PERCENT
AND MINIMIZES ENVIRONMENTAL IMPACT
– TAKE A LOOK AT E-SITE®**

flexenclosure



Cut the use of diesel – E-site® is the telecom solution for tomorrow

E-Site® is the site solution that substantially reduces OPEX. Flexenclosure is challenging the use of diesel with a new telecom solution that runs on wind and solar energy, specially designed for off-grid locations and remote sites with limited access to infrastructure. As such, E-site® is the ideal choice for emerging markets where telecom expansion is desired.

Reduction of OPEX is the major challenge of today. With E-site®, fuel costs are reduced by more than

80 percent and at the same time operational costs are drastically lowered. This means highly increased revenues and a profitable way to expand telecom connections on new markets. At the same time with great consideration to environmental impact as the reduction of emissions is also substantially lowered.

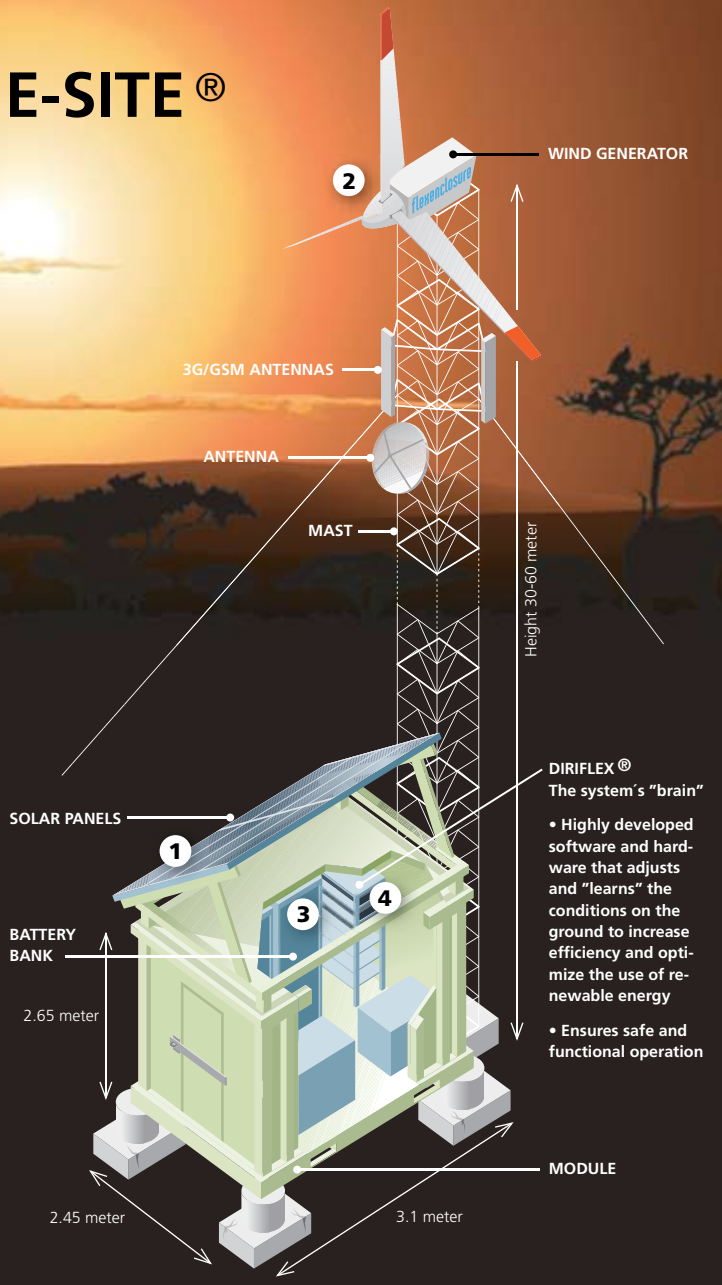
With E-site® comes a flexible solution for different needs, always optimized for conditions on site and with the requested capacity.

E-SITE® IS SPECIFICALLY DESIGNED FOR TELECOM NEEDS. WITH DIRIFLEX®, THE SMART BRAIN OF THE SYSTEM, TOTAL OPEX CAN BE REDUCED TO A MINIMUM.



- **REDUCED OPEX BY AT LEAST 80% ON RURAL SITES**
- **THE SMART "GREEN" BASE STATION FOR TOMORROW**

E-SITE®



MAXIMUM IMPACT ON YOUR BOTTOM LINE, MINIMUM ON THE ENVIRONMENT

E-site® runs on wind power and solar radiation. The power generated is stored in a battery bank. An additional back-up source is provided to secure redundancy and trouble-free operation. The exact configuration is determined by local climate conditions.

- E-SITE® GENERATES POWER IN A SUSTAINABLE WAY
- A BATTERY BANK MAKES STORAGE OF GENERATED POWER POSSIBLE FOR A COST-EFFECTIVE AND SMOOTH OPERATION

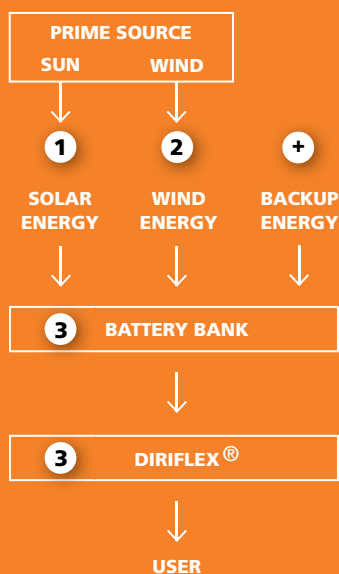
DIRIFLEX® MAKES IT POSSIBLE

The control unit of E-site®, Diriflex®, is the brain of the system that provides unique advantages. It is adaptive and optimizes the use of renewable energy by adjusting to the conditions at site. Advantages are increased efficiency and component lifespan and the insurance of a safe and functional operation. Together with substantially lower costs and emission.

Diriflex® regulates all input power units and control parameters, including continuous measurement of currents and voltages. To ensure safe and efficient operation at all times, the system has been designed for maximum use of renewable energy sources.

E-SITE®

POWER SYSTEM DESCRIPTION



DIRIFLEX® REDUCES TOTAL OPEX

- ENERGY SAVINGS BY EFFICIENT AND OPTIMIZED USE OF RENEWABLE SOURCES
- PROLONGED LIFE EXPECTANCY FOR EQUIPMENT BY CONTROLLED AND EFFICIENT OPERATION
- INCREASED RELIABILITY AND SAFE OPERATION

WIND GENERATOR WITH ADVANTAGES

- Blades designed for low wind speed
- Low maintenance wind generator
- Material and surface treatment for airborne sand and salt resistance
- Protection for sand penetration of brake mechanics and generator
- Height of wind generator up to 60 meter
- Mast/tower for the wind generator can also carry the antennas and links for the telecom site



SMART THINKING INSIDE THE BOX

Mobile telephony is spreading to ever-more remote locations and fuel costs are rising. E-site® has been built with these truths in mind. On the outside, there are solar panels and a specially designed wind turbine to generate power, while the inside is packed with smart solutions to cut your operational cost.

STATE-OF-THE-ART COOLING

To prevent wear on the batteries and telecom equipment, the right temperature needs to be maintained both in the shelter and in the battery bank. That's why E-site® is equipped with two climate zones and unique battery cooling control, making it the market's smartest and most power-efficient DC compressor-based cooling system.

HOW'S THE WEATHER?

E-SITE IS IDEAL FOR REMOTE SITES AND LOCATIONS FAR FROM A UTILITY GRID. WE COLLECT WEATHER DATA AND OPTIMIZE THE ENERGY SOURCES TO THE CONDITIONS ON YOUR SITE.

FOR MORE INFORMATION:

www.flexenclosure.com

Flexenclosure develops, manufactures and delivers turn-key shelters for the telecom industry. The company's solutions are designed in cooperation with leading global telecom companies to meet the customers' needs. Customers include Ericsson, Nokia, Telia Sonera and Vodafone.

Flexenclosure was founded in 1989 and the company is based in Lidköping, Sweden. Since its inception, Flexenclosure has delivered more than 8,000 telecom shelters to OEM's, operators and contractors for different roll-out projects all around the world.

Flexenclosure has the ambition to become the world's leading provider of site solutions for Radio Base Stations (RBS), focusing on a low life-cycle cost by optimizing energy efficiency and using combinations of renewable energy resources.

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