
Press release

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MAN ETES receives “Solar Impulse Efficient Solution” label

The trigeneration energy storage and management technology MAN ETES receives the “Solar Impulse Efficient Solution” label that recognizes profitable solutions to protect the environment.

MAN ETES (Electro-Thermal Energy Storage) was attributed the “Solar Impulse Efficient Solution” label following an assessment performed by external independent experts and based on verified standards. MAN Energy Solutions is thereby joining the *#1000solutions* challenge, an initiative by Swiss environmentalist Bertrand Piccard’s Solar Impulse Foundation, to select climate friendly solutions that meet high standards in profitability and sustainability.

“I’m delighted that our MAN ETES technology has received this important acknowledgement from the renowned Solar Impulse Foundation,” states Patrik Meli, Managing Director of MAN Energy Solutions Switzerland. “Our technology solution works as a bridge between the power supply and heat/cold supply sectors. With this game-changing approach, MAN Energy Solutions is breaking down the existing silo mentality in the industry. We are doing so because we are convinced that intelligent sector-coupling technologies, like MAN ETES, are the key to a decarbonized, sustainable energy future.”

MAN ETES is a large-scale, trigeneration, energy management system for the simultaneous storage, use and distribution of electricity, heat and cold. The system tackles two fundamental challenges: on the one hand, it helps balance the grid by absorbing large amounts of surplus or off-peak electricity from renewables, feeding it back into the grid on demand; on the other, it integrates multiple sectors by generating, storing, and providing thermal energy for heating and cooling purposes.

In January 2021, MAN Energy Solutions was commissioned to supply two MAN ETES Heat Pump systems to Danish multi-utility company DIN Forsyning. The new plant will supply around 100,000 inhabitants of Danish port city, Esbjerg, with approximately 235,000 MWh of heat annually and replace the city’s coal-fired power plant.

To receive the “Solar Impulse Efficient Solution” label, MAN ETES was thoroughly assessed by a pool of independent experts according to diverse criteria covering the main topics of feasibility, environmental-friendliness and profitability. All labelled solutions are part of the *#1000solutions* portfolio that will be presented to decision-makers in business and government by Swiss explorer and environmentalist Bertrand Piccard, Chairman of the Solar Impulse Foundation. The aim of this initiative is to encourage the adoption of more ambitious, environmental targets and fast-track the implementation of innovative solutions on a large scale.

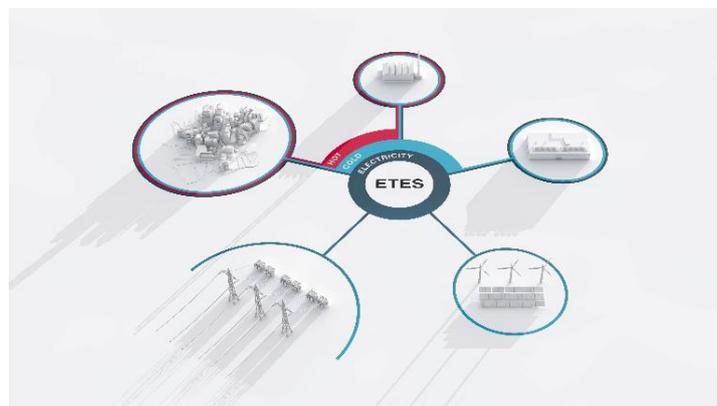
About the “Solar Impulse Efficient Solution” label:

One of the first labels for positive impact businesses bringing together protection of the environment and financial viability, the “Solar Impulse Efficient Solution” label is attributed following an assessment performed by external independent experts. In collaboration with renowned institutions, solutions applying for the label must go through a neutral methodology based on verified standards.

About the Solar Impulse Foundation:

The Solar Impulse Foundation is dedicated to accelerating the implementation of clean and profitable solutions. Moreover, the Foundation is helping decision-makers in businesses and governments to achieve their environmental targets and adopt more ambitious energy policies, which are necessary to pull these solutions to market.

More about MAN ETES: [MAN ETES \(Electro Thermal Energy Storage\) - Solar Impulse Efficient Solution](#)



MAN ETES: the first trigeneneration energy management system that enables the sector coupling

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.