

OPTIMIZE YOUR GENERATORS

The Triogen e-box cuts fuel consumption by 5-10%

1. The Idea



Turning heat from diesel engine exhaust emissions into usable electricity.

2. Empower existing performance



Make your energy set-up more profitable with just a simple add-on to your generator.

3. An eco-friendly solution



Gain more energy without added carbon emissions.

BRINGING AWARD WINNING INNOVATION TO REMOTE POWER GENERATION

Triogen is passionate to develop and deploy innovative waste-heat recovery technology to address the energy and environmental challenges of our planet, while saving its customers money.

The company has been a leading ORC (Organic Rankine Cycle) innovator and supplier since 2001 and successfully incorporated this world-class technology.

Reliable	Low investment	Low operating costs
97 % Uptime. Build on proven components.	Flexible plans. Buyback guarantee.	Low demand on repair and maintenance.

MADE FOR OFF-GRID POWER GENERATION

The e-box is a perfect fit for industries reliant on diesel powered generators. Triogen products run without supervision (certified by Lloyds Register) and are monitored online. Especially in remote areas the investment of an e-box will provide almost instant payback.

POWER FROM HEAT

Diesel gensets convert only 40% of the energy input to electricity. Triogen's ORC transforms the otherwise unused exhaust gas heat into usable green electricity. The power is fed into the grid and reduces the load for the diesel gensets and reduces the fuel consumption.

THE TRIOGEN E-BOX

Easy to install. Easy to use. Easy to maintain.







FUEL SAVING IN A BOX

Sustainability made simple



Download our White Paper ON SOLAR, BATTERY AND TRIOGEN E-BOX TECHNOLOGY



FUEL SAVINGS -PLUG AND PLAY

Fast payback times and easy installation make the Triogen e-box an interesting complement to solar PV.



Source: COMPARING DIFFERENT FUEL SAVING SOLUTIONS:

REDUCE ANNUAL FUEL CONSUMPTION BY 300,000 LITERS

When combined with a ~2MW generator capacity, a single e-box saves 5-10% fuel. This is 300,000 liters (or 6 fuel trucks) per year less. A substantial saving in fuel, reduction in risk and improvement in environmental performance.

ENERGY EFFICIENCY GOALS

In addition to reducing the energy bill, waste heat recovery does not need any additional natural resources and lowers the entire operation's GHG, a valued contribution towards aligning the activities with the UN Sustainable Development Goals regarding energy efficiency.

"Newmont along with one other mining company and several stakeholders selected Triogen as the winner of the 2017 Colorado Mining Cleantech Challenge. The honor signifies Triogen's high potential to reduce carbon emissions and save money by recycling waste heat to produce power."

Michael, E. Aire, P.E., M.Eng. - Director, Energy & Environment - Newmont Mining Corporation

"As the winner of the Mining CleanTech Challenge, Triogen's e-box definitely shows to be a reliant technology to an innovative way of fuel saving for the industry."

Exequiel Rolón Michel, Sustainability Manager – Fresnillo plc

Request a proposal or schedule a meeting at

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PROPOSITION



Purchase and Rental / **Lease Options**



With a capacity of 170kW, a single e-box saves 300,000 liters of fuel per year



Without interruption

No interference with genset performance or mining production



Runs without supervision

- remotely controlled - Certified by Lloyd's Register - 97% reliability



Shipped to your mine

The e-box will be shipped in two 20ft containers

PRODUCT FACTS



Award winning technology Winner of the Mining Cleantech Challenge

Operating hours

>1 million

Projects live

Stress tested under intense humidity and ambient heat of