



# INTELLIGENT GENERATOR OPTIMIZATION SYSTEM

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## SAVE ENERGY – SAVE FUEL – INCREASE CAPACITY – SAVE MONEY!

The 360 ESI Intelligent Generator Optimization System (IGOS) Increases Capacity and Reduces Fuel Consumption for your generation plant by increasing the Power Factor of the electrical distribution system to nearly 100%. It does this by supplying the reactive power to the downstream electrical loads instead of the generator having to do such, therefore, decreasing the load on the generator which in turn increases the capacity and reduces the fuel consumption. The IGOS constantly monitors the electrical distribution system and automatically adjusts the correction levels accordingly to keep the system at the 99% corrected set point. This results in up to 40-50% drop in operating amps, reduced fuel consumption, and 15-30% less CO<sub>2</sub> emissions.....without changing anything as far as your operation.

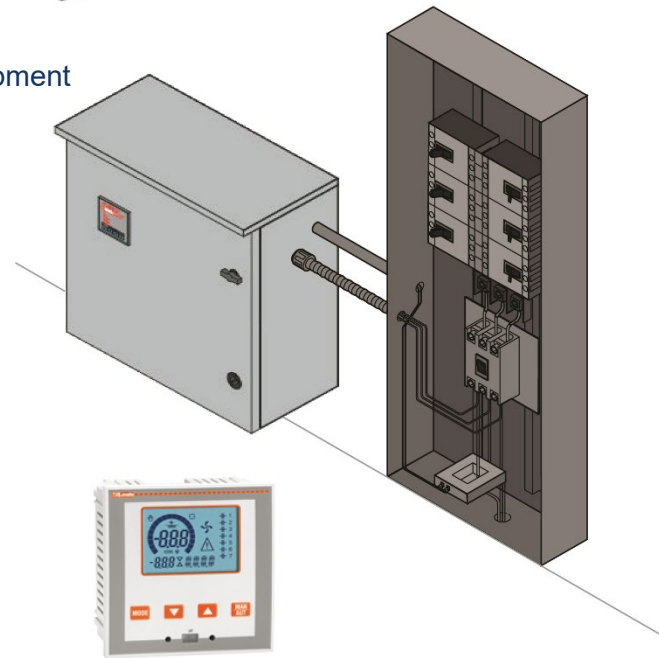
### 360 ESI Intelligent Generator Optimization System (IGOS) Benefits

1. Increased Load Capacity
2. Improved Power Factor
3. Reduced Fuel Consumption
4. Reduced CO<sub>2</sub> Emissions
5. Increased Generator Operating Life Cycle
6. Maintenance Free & Fully Automatic
7. Custom Engineered for Each Application
8. Digital Control Display
9. Individually Protected Components
10. Smaller Generators can be used to operate Larger Equipment Spreads => Immediate Fuel and Cost Savings



### Features and Specifications

- UL/ETL listed
- CE and CSA marked
- NEMA Type 12 Enclosures Standard with Cooling Fans
- Other Enclosure Ratings and Cooling Options Available
- High Harmonic Capacitors
- Three Phase 208 VAC to 600 VAC Options
- 50-60 Hz
- In-Field Serviceable
- Rebuild Kits Available to Replace Internal Components
- 10-Year Nominal Design Life
- 5-Year Warranty



Digital Controller



***“It is amazing.....we are running our spread with a smaller generator and using considerably less fuel without changing anything in our operation!” - Aggregate Company CEO***