



## Introduction to OEI Magnetic Filtration

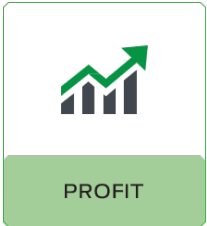


SOLVING TOMORROW'S CHALLENGES, TODAY.

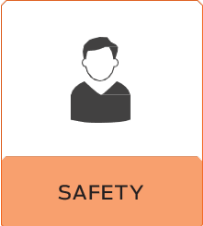
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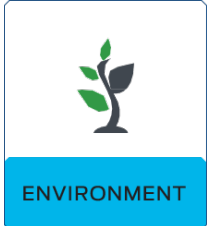
# CORE TECHNOLOGY



Improve equipment reliability and in turn increase profitability.



Reduce unplanned maintenance and improve team safety.



Clean instead of dispose and protect your environment.

The patented, magnetic filter element attract ferrous wear particles down to and below 4 microns ( $\mu$ ) with up to 95%+ efficiency.

- Cleanable and reusable for 18+ years with minimal consumables.
- Filtration capability exceeds ISO fluid cleanliness standards.
- High dirt holding capacity allowing for longer service intervals.

EXTENDED  
↑

Fluid Life ( av. 2.5x)  
Filter Life  
Equipment Life (av. 2.5x)  
Service Intervals (av. 2.5x)

REDUCED  
↓

Filter Costs  
Fluid Costs  
Disposal Costs  
Labour Costs



# EXTENDING MAINTENANCE INTERVALS

## Targa Resources

PREVENTED \$300,000 IN  
FILTER CHANGEOUTS ON  
COMPRESSOR LUBE OIL



- Compressor was failing from contamination. 2 pumps per year failing at \$65,000 / pump.
- With magnetic filter, conventional filter changeouts dropped from 67 to 11.
- Annual savings: \$300,000

[Read Case Study](#)

## Crescent Point Energy

1500 HP NATURAL GAS SCREW  
COMPRESSOR PROTECTION  
SAVES \$90,140 IN FIRST YEAR



- Natural gas plant screw compressor required filter changeouts every 3 weeks. Magnetic filter prevented 17 filter changeouts and associated costs.
- Payout in 24 days.
- Annual savings: \$90,140

[Read Case Study](#)

## ENI

OFFSHORE GAS PLATFORM  
GLYCOL SYSTEM PROTECTION



- Contamination entering a 3000-7000 L glycol reservoir from a 32 km pipeline causing production loss.
- Filter improved glycol quality and reduced unplanned maintenance
- 74% of contamination captured was non-ferrous.

[Read Case Study](#)

## Deployment:

Boilers  
Heat Exchangers  
Cooling Towers  
Compressors  
Meters  
Pumps  
Subsea Hydraulics  
Gearboxes  
Generators  
Steam Turbines  
Waste Brine  
HPUs



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