LEADER ENERGY SERVICES LTD.

A strategic partnership focused on cost saving environmental solutions

bdr

Compressor Dehydration Combination Skid

Capital Savings

OUR GOAL

Environmental Savings

Operational Savings

The Flameless division of Leader Energy Services made it their challenge to find out-of-the-box solutions for turning wasted energy from compressor engines into something usable, economic and beneficial. A successful partnership between Leader and BDR resulted in a design that includes compression, inlet separation and dehydration on one single skid.

Patent Pending

LEADER ENERGY SERVICES LTD.

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Compressor Dehydration Combination Skid

Manufacturing cost saving, faster field construction times, ease of transport and reduced lease footprint are the results of combining inlet separation, compression and dehydration on a single skid.

The glycol regenerator heating system, using exhaust heat, eliminates the use of fuel gas and an open flame.

Capital Savings

- **Up to 25% of the normal budget price saved**
- **Smaller lease footprint required**
- **Faster field installation**
- **Ease of transport**

OUR SOLUTION

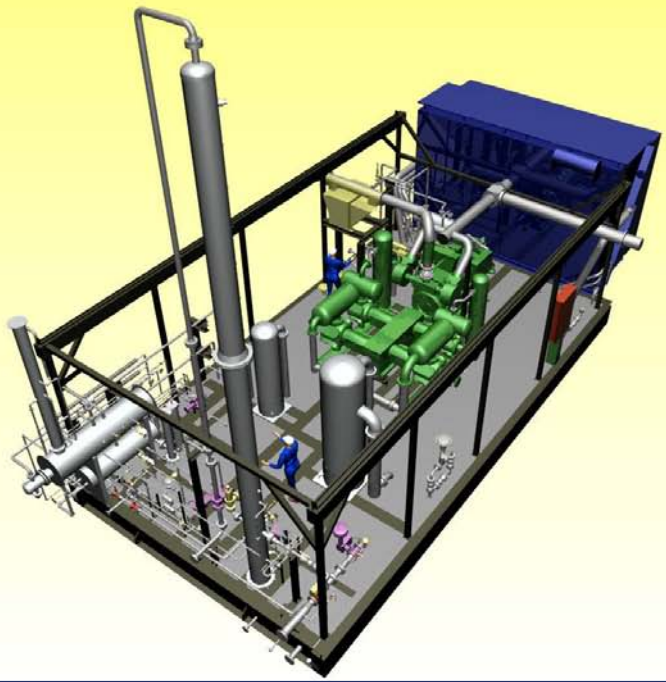
Environmental Savings

- **Emission reduction by elimination of fuel gas (*based only on the reboiler): NOx22.3 g/HR 270.4kg CO_2/day*****
- **Less environmental footprint required**

Operational Savings

- **Elimination of fuel gas. *Savings up to USD 45,000/year****
- **No need for methanol injection**

**All numbers based on*
800 hp engine
NYMEX Natural Gas price
USD 7.16 / MMBTU (22-3-2007)
150,000 btu/hr glycol regenerator



Specifications

[as shown in 3-d model]

Capacity 4 mmscfd

From 20 PSI to 1200 PSI

Two phase inlet separation

Three stage, four throw 800 hp compression with Caterpillar 3512LE

Dehydration in a 16" tower

150,000 BTU/hr Glycol Regenerator/Accumulator

Heat Medium Transfer Fluid System

Heat Exchangers

System can be built towards customer specifications.

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