



PROFIT FROM PRESSURE

T.J. Fowler
Oil & Gas Sales Manager

CALL TO ACTION – WHY ARE WE HERE?

Current Issues

- Safety: License to Operate
- Tightening Margins
- Energy Consumption / Waste



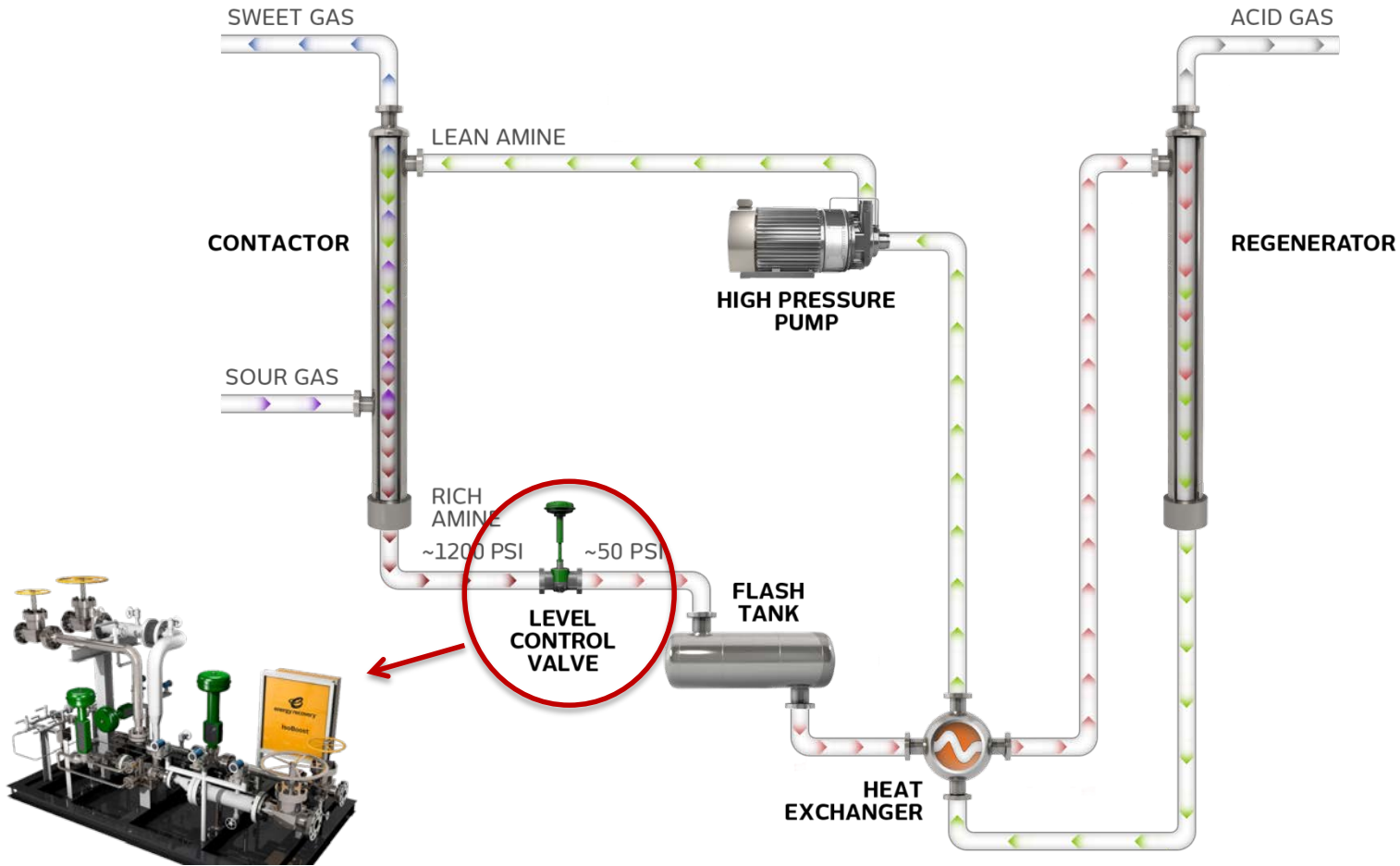
CALL TO ACTION – WHY ARE WE HERE?

Pressure Energy

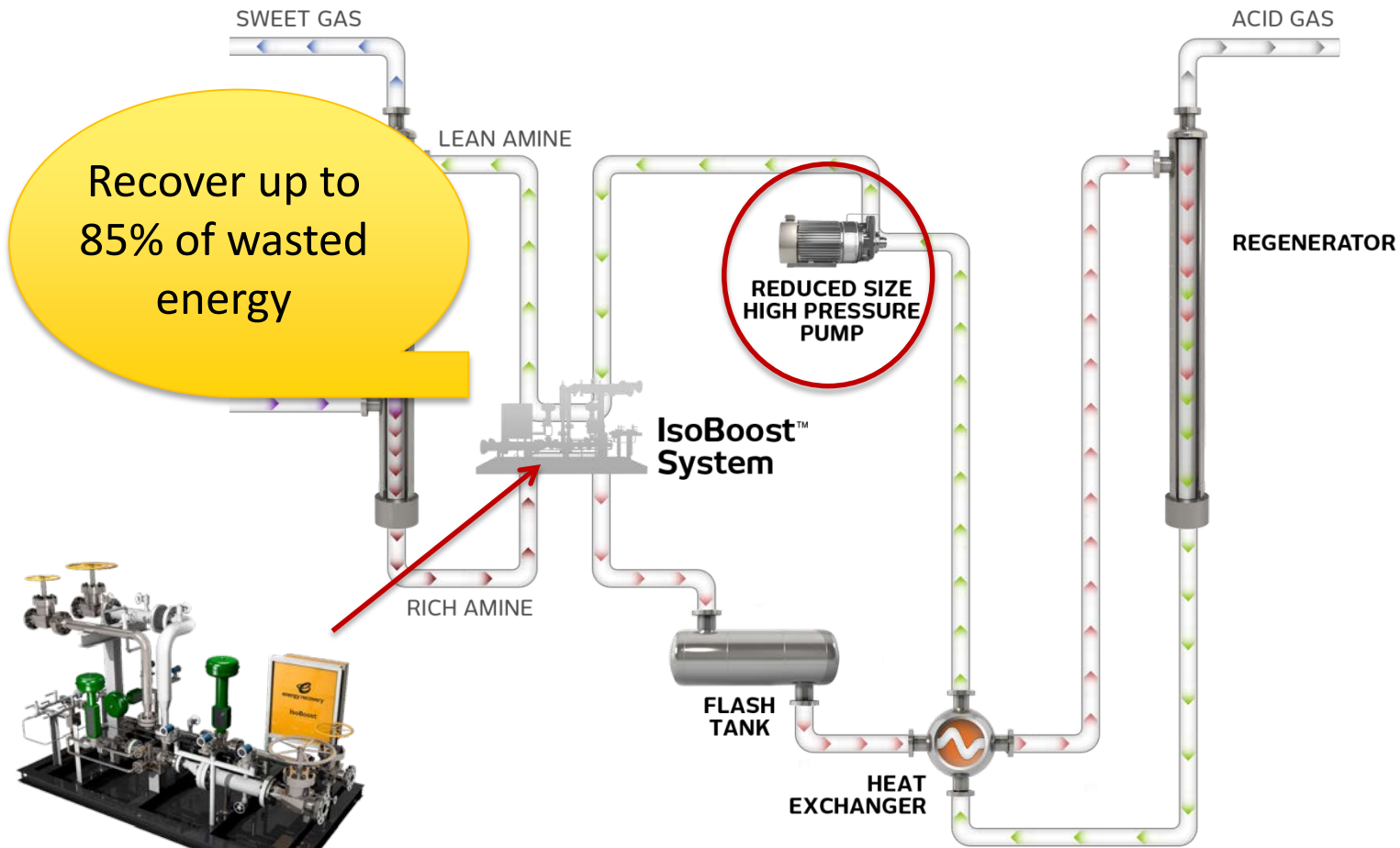
- from liability to asset

- Improve Safety
- Increase Reliability
- Reduce waste / GHG emissions
- Reduce high pressure pumping by up to 85%
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AMINE GAS PROCESSING BEFORE ENERGY RECOVERY SYSTEM (ERS)



AMINE GAS PROCESSING WITH ISOBOOST™



↓ opex \$\$

↑ reliability

↑ safety

✓ no maintenance

Øyvind Hagen - Statoil

FINANCIAL, ENVIRONMENTAL, AND PRACTICAL MOTIVATORS

Example – Alberta Gas Plant

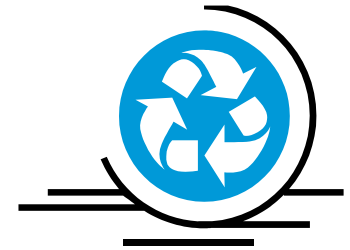
Financial:

\$300,000 per year saved



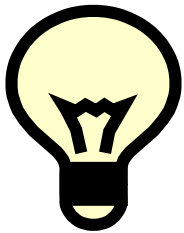
Environmental:

2,500 tonnes of CO₂/yr SAVED



Practical:

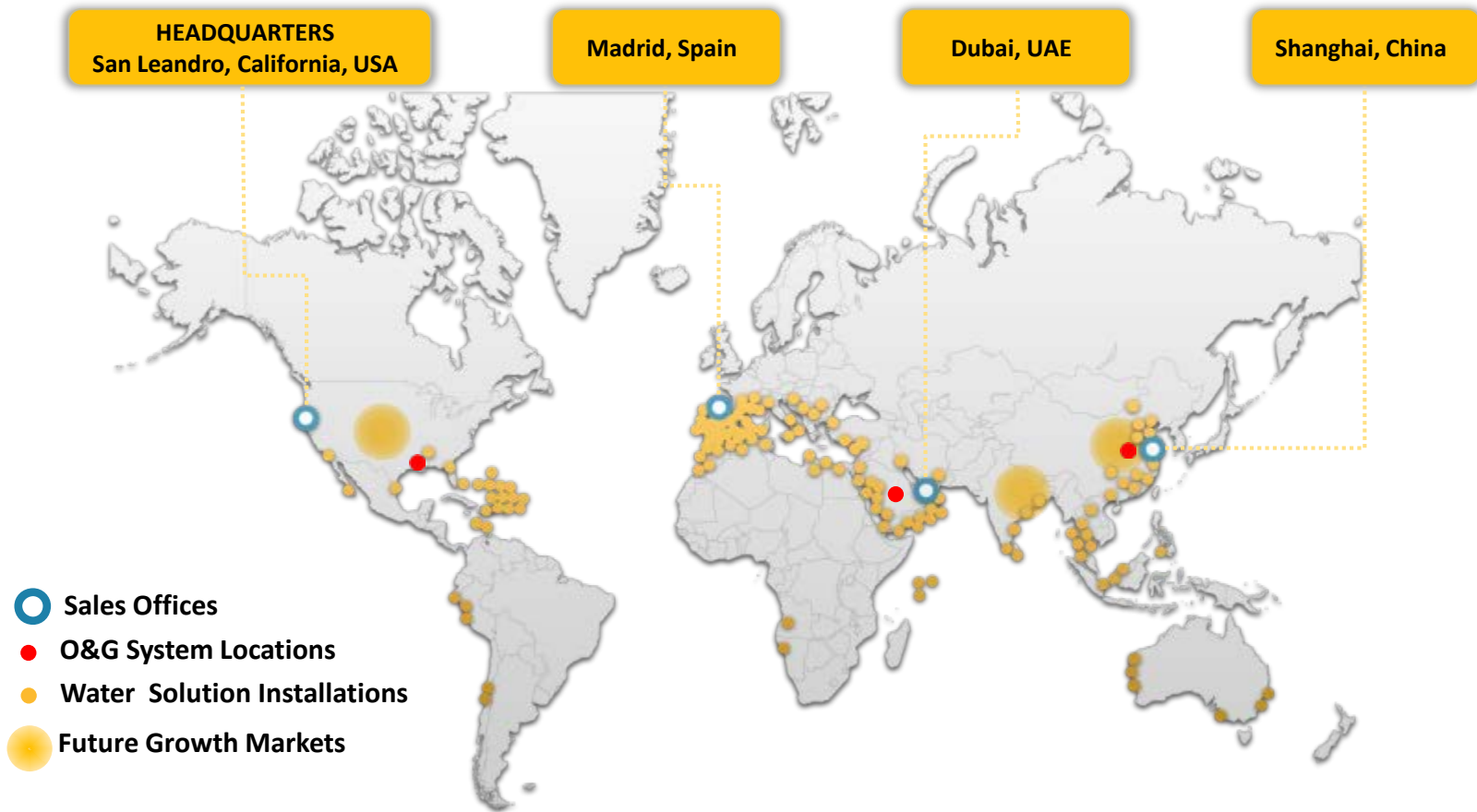
3 yrs Payback Period



* Based on EPA Greenhouse Gas Equivalencies Calculator
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

Who is Energy Recovery?

15,000 DEVICES IN 50+ COUNTRIES ON 7 CONTINENTS AN INDUSTRIAL LEADER WORLDWIDE



APPLICATIONS

Current Markets:

Water Desalination

CO₂ Removal using Amines (Liquid Solvents):

- Gas Processing
- Refining
- LNG
- Syngas (Ammonia, Methanol)

Liquids Pipelines:

- NGL
- Crude
- Chemicals



THANK YOU!!

STOP BY AND SAY “HI”