Hall 9



Pressure Exchanger Technology for Energy Efficient R-744 Refrigeration

Energy Recovery Joseph Marchetti, Product Manager, CO2

> CONNECTING EXPERTS.

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Forward looking statement

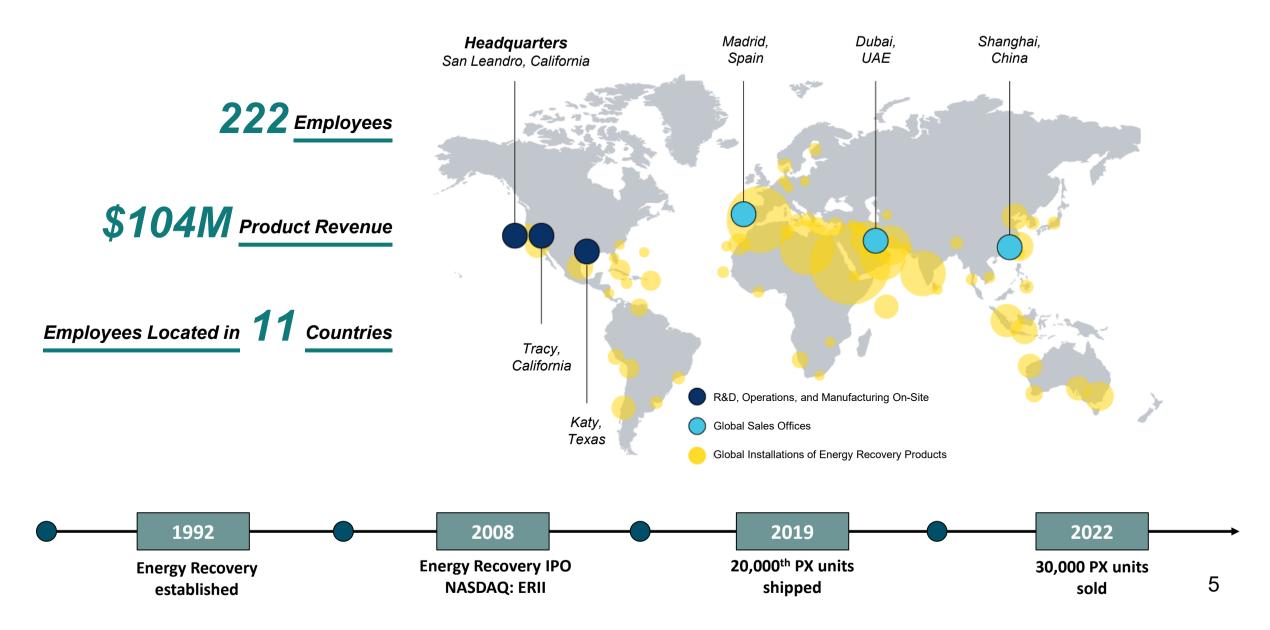
This presentation contains forwardlooking statements within the "Safe Harbor" provisions of the Private Securities Litigation Reform Act of 1995. Forwardooking statements in this report include, but are not limited to, statements about our expectations, objectives, anticipations, plans, hopesbeliefs, intentions, or strategies regarding the future. Forwardlooking statements that representour current expectations about future events are based on assumptions and involve risks and incertainties. If the risks or uncertainties occur or the assumptions prove incorrect, then our resultsmay differ materially from those set forth or implied by the forward-looking statements. Ourforward-looking statements are not guarantees of future performance or events. Words such as "expects," "anticipates," "believes," "estimates," variations of such words, and similar expressions are also intended to identify such forwardlooking statements.

These forward-looking statements are subject to risks, uncertainties, and assumptions that ardifficult to predict; therefore, actual results may differ materially and adversely from thosexpressed in any forward looking statements. You should not place undue reliance on these forward-looking statements, which reflect management's opinions only as of the date of thispresentation. All forward-looking statements included in this presentation are subject to certainrisks and uncertainties, which could cause actual results to differ materially from those projected in the forward-looking statements, as disclosed from time to time in our reports on Forms 10-K, 10-Q, and 8-K as well as in our Annual Reports to Stockholders and, if necessary, updated in our quarterly reports on Form 10 Q or in other filings. We assume no obligation to update any such forwardboking statements. It is important to note that our actual results could differ materially from thesults set forth or implied by our forward-looking statements.

- 1. Energy Recovery at a Glance
- 2. PX G1300[™] for CO₂ Refrigeration
- 3. Commercial CO₂ Experience



Energy Recovery at a Glance



Energy Recovery at a Glance

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Over 30 years, ERI's PX has achieved:

- 60% reduced energy in Reverse Osmosis Water Desalination applications
 - Reduced energy bill costs
 - Reduced capital costs based on reduced need of other equipment
- 25 year design life with no scheduled maintenance





PX G1300[™] for CO₂ Refrigeration

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The innovative, sustainable energy savings device for CO₂ refrigeration systems



Energy savings leads to lower total cost of ownership & OPEX



Peak performance in hottest ambient temperatures*:

- ✓ Potential design point CAPEX reduction
 - ✓ Peak demand reduction





Virtually no maintenance and performance degradation**, no water, no fouling, no fuss

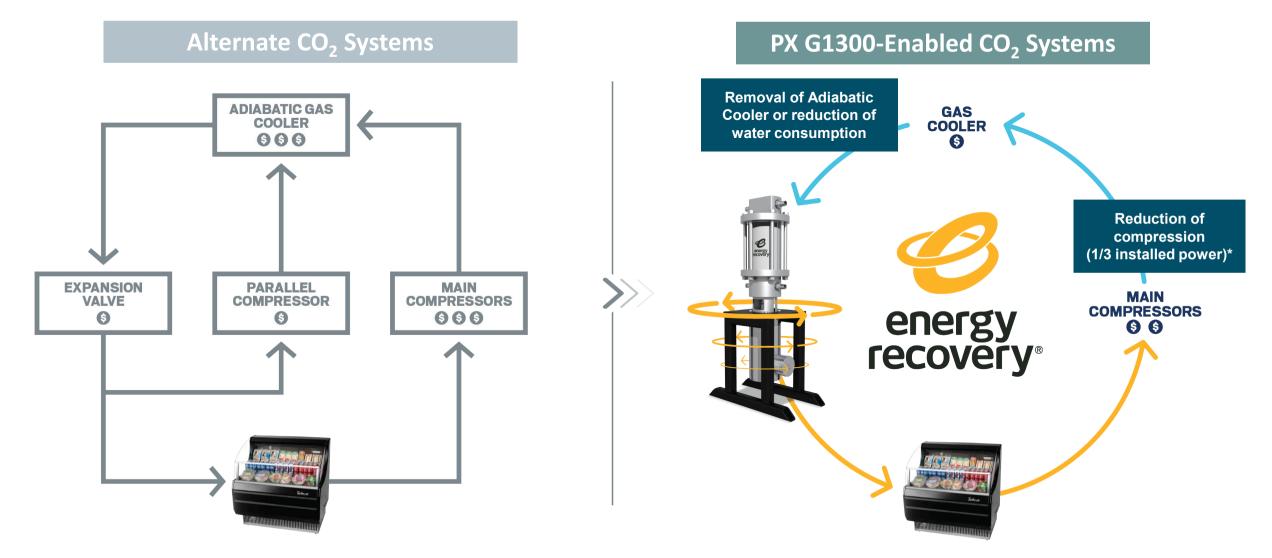


Sustainable & future proof:

- ✓ Reduces indirect CO₂ emissions
 - ✓ No water consumption

Installation and Potential Value

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Picture Courtesy of: https://www.kegerator.com/turbo-air-commercial-merchandiser-refrigerators-commercial-refrigeration-equipment/TOM-40S.html?uid=3098144

* Estimated based on modeling of 150kW system, \$0.20/kWh, in Sacramento, CA with idealized PX and flooded evaporators compared to a standard CO2 booster system (per 'PX G1300 Integrated System Reference Designs')

NürnbergMesse, Arbeitstitel, Datum

Commercial CO₂ Experience

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The PX G1300[™] is generating significant excitement and movement within the industry

1. Supermarket installation in Europe

- In collaboration with rack manufacturer/OEM
- Shown efficiency improvements of 20+% at 30+°C

2. Supermarket installation in California, USA

- Vallarta chain in Indio California (hot dry climate)
- Currently finalizing commissioning
- 3. Supermarket installation committed in USA
 - In collaboration with US rack manufacturer/OEM
- 4. Additional deployments for commercial and industrial refrigeration in Europe planned



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Thank you! Any Questions?

Be sure to visit us at Booth 7A-226

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