

Energy Recovery and Epta Win Refrigeration Innovation of the Year at RAC Cooling Industry Awards 2023

SAN LEANDRO, Calif.--(BUSINESS WIRE)-- Energy Recovery (NASDAQ: ERII) and Epta Group (Epta) were together awarded Refrigeration Innovation of the Year for the XTE (Extra Transcritical Efficiency), Epta's next-generation commercial CO₂ refrigeration system. The award for Refrigeration Innovation of the Year recognizes systems, products, or processes that utilize new technology to provide definitive innovations to refrigeration. The innovative and patent pending XTE solution utilizes the energy savings and efficiency benefits of the PX G1300™ and packages them into a complete next-generation refrigeration system.

"We are honored to accept this prestigious recognition from the RAC Cooling Industry Awards," said Daniele Mazzola, Technical Marketing Manager at Epta Group. "Our goal has always been to propose solutions that support our customers in their green transitions. We believe that our collaboration with Energy Recovery is a further step in bringing the best energy saving technology to the refrigeration market."

The application of Energy Recovery's trusted pressure exchanger (PX) technology, which revolutionized the desalination industry after its launch over 30 years ago, significantly improves the efficient operation of the transcritical CO₂ plant at any latitude.

That is possible as the whole system runs without synthetic or inflammable coolants and without using water, taking advantage of the CO₂ in the transcritical system as the cooling fluid. Specifically for this purpose, the PX G1300 has been suitably modified, inserted in the Epta ETE (Extreme Temperature Efficiency) system instead of the compressor and instructed to transfer the energy from the high-pressure fluid stream to the low-pressure one via rotating flow channels.

Energy Recovery's PX G1300 was also given the honor of Highly Commended in the Refrigeration Product of the Year – Components or Peripherals category.

Installations of the PX G1300 at several North American and European supermarkets have demonstrated efficiency improvements over 30% above +40°C (104°F) compared with a traditional transcritical system. The XTE mechanism, thanks to the PX G1300, not only reduces consumption peaks during warm months, but also offers significant benefits in cold months, during which the XTE system starts running when temperatures are +10°C (50°F).

"When we first began developing the PX G1300, we had a strong belief that this product could provide the same game-changing efficiency gains in refrigeration that our PX technology delivers in desalination, and it is deeply gratifying to have that belief validated by the refrigeration industry and adopted by one of the leading players in the field," said KC Chen, Energy Recovery Vice President of CO₂.

About Energy Recovery

Energy Recovery (NASDAQ: ERII) is a trusted global leader in energy efficiency technology. Building on our pressure exchanger technology platform, we design and manufacture reliable, high-performance solutions that generate cost savings and increase energy efficiency across several industries. With a strong foundation in the desalination industry, Energy Recovery has delivered transformative solutions that optimize operations and deliver positive environmental impact to our customers worldwide for more than 30 years. Headquartered in the San Francisco Bay Area, Energy Recovery has manufacturing and research and development facilities across California and Texas with sales and on-site technical support available globally. For more information, please visit www.energyrecovery.com.

Forward Looking Statements

Certain matters discussed in this press release are "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These forward-looking statements are based on information currently available to us and on management's beliefs, assumptions, estimates, or projections and are not guarantees of future events or results. Potential risks and uncertainties and any other factors that may have been discussed herein regarding the risks and uncertainties of the Company's business, and the risks discussed under "Risk Factors" in the Company's Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC") for the year ended December 31, 2022 as well as other reports filed by the Company with the SEC from time to time. Because such forward-looking statements involve risks and uncertainties, the Company's actual results may differ materially from the predictions in these forward-looking statements. All forward-looking statements are made as of today, and the Company assumes no obligation to update such statements.

Epta. Advanced solutions for your store.

EPTA – A multinational group specialised in commercial refrigeration which works globally thanks to its Costan (1946), Bonnet Névé (1930), Eurocryor (1991), Misa (1969), Iarp (1983), and Kysor Warren (1882) brands. Epta positions itself on the national and international market as partner able to produce and market complete refrigeration systems, thanks to the integration of specific product lines namely: traditional, positive vertical and semi-vertical, negative vertical and horizontal display refrigerators, Refrigerated display plug-in cabinets for the Retail and Food&Beverage sector, medium and high-power refrigeration packs and cold rooms. Based in Milan, it has a workforce of almost 6000 people and boasts national and international production facilities, a widespread technical and commercial presence worldwide, guaranteed by more than 40 technical-commercial monitoring centres.

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