

Our Commitment to Sustainability

As pioneers in the energy recovery industry, we embrace sustainability as a means for smarter innovation and profitable growth that benefits not just our partners but the planet too.



Energy Recovery in the Water Sector

Fresh water is a finite and vulnerable resource, essential to sustain life, economic development, and the environment. Population growth and changes in climate have created an increasing demand for fresh water around the world, yet fresh water supplies are mostly fixed — other than seasonal variations — and can't meet the growing need.

Desalination of ocean and brackish water is a forward-looking solution to global climate change and clean water shortages. As energy recovery innovators, we've worked hard to pioneer technologies that make it both economically viable and environmentally sustainable without jeopardizing plant productivity. For more than a quarter of a century, our systems have revolutionized the water industry and have been the preferred technology for desalination projects — large and small — around the world. At Energy Recovery, our day-to-day focus is on creating best-in-class energy recovery devices and high-pressure pumps that make processes more productive, profitable, and environmentally cleaner for our customers. Our commitment to continuous innovation guarantees that by partnering with us, you save energy and stay in front of the technology curve.

- Every day, more than 10 billion gallons of clean water are produced utilizing our technologies
- Massive amounts of fluid and pressure are recycled daily into reusable energy that would otherwise be wasted at the highest guaranteed efficiencies and availability possible.
- Our energy recovery solutions cut 12 billion kilowatt hours of energy every year, translating to more than \$1.2 billion in cost savings to our clients annually.

Energy Recovery in the Oil & Gas Sector

Generating Greater Energy Efficiencies

Energy efficiencies have increased significantly since 2007, thanks to investments in new technologies (source: IPIECA), but there's also been a corresponding increase in energy needs. The growth in older fields; the requirements of enhanced oil and gas recovery and water reinjection techniques; the increased volumes of crude oil and gas being processed; the rise in sour gas fields; minimizing the space, footprint, and energy usage on offshore infrastructure, such as Floating, Production, Storage and Offloading (FPSO) units — all of these factors necessitate more energy — intensive processes than ever before. In addition, midstream industrial processes such as gas sweetening (where various compositions of amines are used to remove H₂S and CO₂ from gases) also consume significant amounts of energy at high costs.

From Liability to Asset - A Changing Mindset

Consumers, businesses, and governments around the world are looking to curtail the expense and environmental impact of energy production. This evolving economic climate is leading to a rapidly changing mindset across the oil and gas sector. Generating greater energy efficiencies, wherever possible, is now highly desirable because it reduces costs across the supply chain. As the world's principal generator of energy, the oil and gas sector continues to look for ways to recover energy from core industrial processes and outcomes.

For us at Energy Recovery, sustainability isn't just about saving the planet. It's about opportunity — reinventing and innovating in ways that help us all better compete in the global economy. When it comes to planet and profit, we won't compromise on either.