

Nomination: 19163

Reclaim Energy: Disrupting The Hot Water Industry for Longterm Change

Page: General Information
Name of Organization / Company Reclaim Energy
Logo Download File (https://asiasteveawards.secure-platform.com/file/28869/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjoyODg2OSwiYWxs3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbm9RE-logo-grey-approved.png)
Web Site Address https://reclaimenergy.com.au/ (https://reclaimenergy.com.au/)
Page: Entry Information
Entry Title Reclaim Energy: Disrupting The Hot Water Industry for Longterm Change
Category B01 - B12 - Award for Excellence in Corporate Innovation > B05A. Award for Excellence in Innovation in Manufacturing Industries - Up to 20 Employees
Submission Format An Essay of up to 625 Words

Essay

In the realm of environmental stewardship, where the inconspicuous carbon footprint of hot water systems silently contributes to a significant environmental impact, Reclaim Energy's CO2 Heat Pump Hot Water System stands out as a beacon of innovation. This ground-breaking solution not only demonstrates superiority relating to the environmental and energy consumption perspective but has set a new paradigm in the industry, becoming the only product on the market accountable and capable of drastically reducing CO2 emissions to negligible levels while simultaneously reducing energy draw by 80%.

Residential water heating, comprising a substantial 15% to 30% of household energy use, emerges as a pivotal source of greenhouse gas emissions, constituting up to 25% of the average Australian home's emissions. In this context, the conventional hot water systems prevailing in the market produce thousands of tonnes of CO2 throughout their lifespan. The urgency to address this environmental concern became the catalyst for Reclaim Energy's innovative journey. Most systems use the refrigerant R134A which has a Global Warming Potential of 1430 against Reclaim Energy's 1.

At its core, the Reclaim CO2 Wi-Fi Heat Pump is not just another hot water system; it is a transformative solution that combines cutting-edge technology, sustainability, and accountability. Recognized as a finalist in the 34th National Banksia Net Zero Leadership Award as well as countless other wins, this system has redefined the landscape by aiming to reduce household energy use by 80% and bring emissions down to practically zero.

What sets the Reclaim CO2 Wi-Fi Heat Pump apart is its unparalleled accountability. Unlike conventional heat pumps that contribute significantly to global warming, our system uses CO2 as a refrigerant – the only non-toxic and non-flammable refrigerant with A1 Safety class. This decision aligns with global efforts to shift from high-global-warming-potential refrigerants to more environmentally friendly options.

A pivotal aspect of our innovation lies in its ability to empower users to manage their hot water energy consumption based on their needs. Through the introduction of a smart Wi-Fi Controller system, users can optimize renewable energy usage, reduce emissions, and save money. By providing real-time data on energy draw, our system transforms users into informed stewards of their energy consumption, actively contributing to a sustainable and responsible energy future.

The Reclaim CO2 Wi-Fi Heat Pump is more than just a product; it is a catalyst for change in the industry. Our goals extend beyond market standards, aiming to create a fully flexible, accountable, low-emission, long-life product. The system is not merely a heat pump; it is a paradigm shift, challenging complacency, and encouraging continuous improvement and innovation within the industry.

Beyond the reduction of household CO2 emissions, our innovation brings forth economic and social benefits. As the cost of energy rises, empowering users to monitor and adjust their hot water system's energy usage becomes paramount. The flexibility offered by our system allows users to align energy draw with real usage, fostering responsible consumption and behavioral changes. This is particularly impactful for off-grid and remote users, where managing limited energy resources becomes a critical consideration. The Australian Federal Government has recently banned the use of the refrigerant R134A in Air Conditioning Equipment and we are campaigning to have the ban put across hot water heat pumps also. We are aware of the huge impact we can see if they are banned and we reduce emissions. We know we are disruptive in the market and we stand in our power and ability to change the market, we will not settle for other brands greenwashing and causing harm to our planet.

Our innovation has not gone unnoticed globally. Reclaim Energy has actively collaborated with esteemed partners like Solar Analytics (UNSW), ViPac Labs, and Dontek Technology, positioning us as a pivotal consultant at both state and industry levels.

For this category please provide

An essay of up to 625 words describing the nominated organization's innovative achievements since July 1 2021, **OR** a video of up to five (5) minutes in length illustrating the same. Describe the organization's innovative achievements in at least three (3) of the following areas: organizational management, corporate social responsibility, financial management, corporate communications, customer service, human resources and employee development, information technology, marketing, product design & development, and research & development.

Optional (but highly recommended), a collection of supporting files and web addresses that you may upload to our server to support your entry and provide more background information to the judges.

Do You Have Supporting Files You Would Like to Upload?

Yes

Audio (Mp3), Documents (PDFs, Word, PowerPoints), Images (PNG, JPG, TIF), and Video (Mp4)

200 MB Max per File

File 1

Download File (<https://asiastevieawards.secure-platform.com/file/28875/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjoyODg3NSwiYWxsY3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbm9Transformative%20Innovation%20Reclaim%20CO2%20Wi-Fi%20Heat%20Pump%20-%20APSA%20Awards%20B05%20.pdf>)

File 2

Download File (<https://asiastevieawards.secure-platform.com/file/28871/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYUlkIjoyODg3MSwiYWxsY3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbm9yYjE5eUvUoyPMzX9DZAnVX4jId2mi9XEpS3p0Tbp5I?Taylor%20Energy%20Group%20-%20Company%20Profile%202024.pdf>)

File 3

No File Uploaded

File 4

No File Uploaded

File 5

No File Uploaded

File 6

No File Uploaded

File 7

No File Uploaded

File 8

No File Uploaded

File 9

No File Uploaded

File 10

No File Uploaded

Do You Have Website URLs you would like to link to

Yes

URL 1

<https://reclaimenergy.com.au/> (<https://reclaimenergy.com.au/>)

URL 2

https://www.google.com/search?q=panasonic+reclaim+youtube&oq=panasonic+reclaim+youtube&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQABiABDIICAIQABgWGB4yCAgDEAAYFhge0gEJMjY1MzBqMGo3qAlAsAIA&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:224b7c69,vid:hXqdrutjv7U,st:0 (https://www.google.com/search?q=panasonic+reclaim+youtube&oq=panasonic+reclaim+youtube&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQABiABDIICAIQABgWGB4yCAgDEAAYFhge0gEJMjY1MzBqMGo3qAlAsAIA&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:224b7c69,vid:hXqdrutjv7U,st:0)

URL 3

<https://www.linkedin.com/company/19233118/admin/feed/posts/> (<https://www.linkedin.com/company/19233118/admin/feed/posts/>)

URL 4**URL 5****URL 6****URL 7****URL 8****URL 9****URL 10**

By your submission of this entry to The Stevie Awards you verify that you have read and agree to abide by the regulations, terms and conditions of the competition (<http://asia.stevieawards.com/rules-and-terms-conditions-competition>).

Terms and Conditions

I Agree