

# Refrigerant Reclamation Project

## Hudson Technologies in Champaign, Illinois

**Project Type:** HFC Reclamation

**Standard:** American Carbon Registry



### Project

Hudson Technologies is working to reduce the overall environmental impact refrigerants have on our world by reclaiming and reusing hydrofluorocarbons (HFCs) - the most commonly used refrigerant and a powerful greenhouse gas when released into the atmosphere.

Hudson processes used refrigerants to remove oil and water so that they meet specifications for new refrigerant gas, and once restored, they are used in the maintenance of existing and newly manufactured products. By reclaiming, recertifying, and reusing refrigerants - 400,000 lbs to date - this project is reducing greenhouse gas emissions and waste, and promoting a more sustainable means of HFC use and management.

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### Sustainable Development Impacts

**Responsible Consumption & Production:** This project promotes responsible HFC consumption in a country where there are no restrictions on HFC production and little incentive for recovery because new HFCs are inexpensive.

**Carbon Reduction:** To date, the project has reduced 200,000 tons of CO<sub>2</sub>e by reclaiming HFCs that displace the new production of refrigerants (that would otherwise be manufactured to meet current demand) and the resulting emissions.

**Industry & Innovation:** Hudson's patented and proprietary technology helps recover refrigerants quickly and efficiently, making it an industry leader in refrigerant reclamation.

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### Why We Love It

HFCs are found everywhere in today's world and many businesses don't currently have the option to eliminate refrigerants from their carbon footprint whether they rely on them for storing and transporting food and supplies, operating air conditioners, or insulating a building. Such prevalence, combined with the absence of regulations, makes this project uniquely valuable.

