

Creating your  
system for you

# Galu Heat Recovery Solutions



# More heat by creating less waste

Heat recovery from refrigeration should be on the list of concepts for consideration of all businesses that use refrigeration and hot water. In today's economy businesses are forced to fight constantly rising energy costs while balancing other demands such as performance, efficiency, and minimising costs. Chillers are known to have a huge energy output; cool air is always utilised but the remaining energy is often lost to the atmosphere. Recovering this energy and re-using it as a source of heat could have several benefits for the company's revenue, goals and emissions contribution.

## The Galu solution



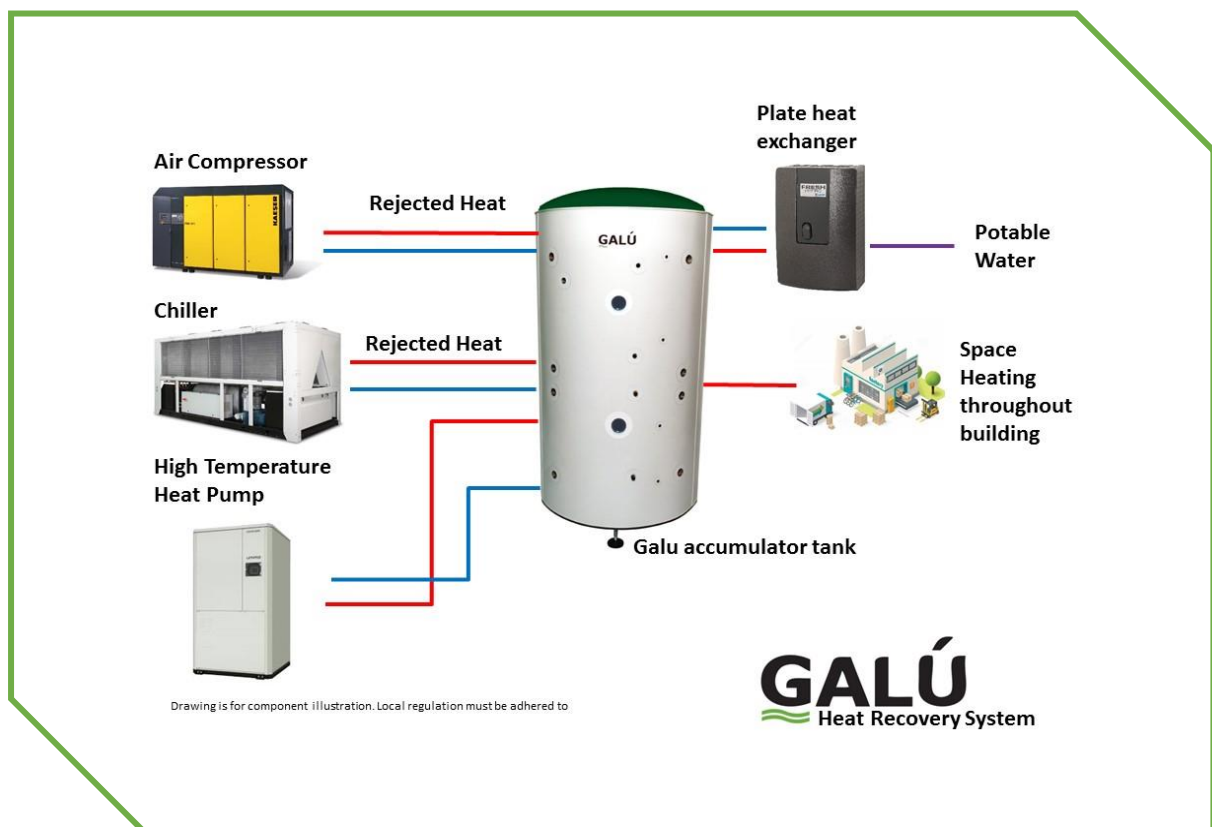
Galu's heat recovery system can offer a solution to the wasted heat from chiller systems, these systems can recover up to 66% of the wasted energy that can be directly used for both space heating and potable /process water.

Each Galu heat recovery design will be customised to fit the specific needs of the building. Galu can also optimise the pump speed to ensure the efficiency of the chiller system is never reduced.

## Understanding heat recovery

It serves the purpose of taking the wasted energy ( rejected heat) from the refrigerated system (plus other components) and using it to offset the cost of the heating of the remainder of the building. It does this by bringing a cool medium (water) and a hot medium (hot refrigerant gas) into close proximity and energy will transfer along the heat gradient to heat the cool water. This heated water can then be made available to the rest of the building through both space heating and potable water.

This Galu heat recovery solution is easy to implement because of the custom designs and smart fit relationship with the Galu accumulator tank.



# Our custom design that earns you payback



## Our considerations

The Galu heat recovery system is designed to consider all the variables of the building requirements, some of these are:

- What components can heat be recovered from
- The potential heat that can be recovered to determine the size of the system
- Other components that can be added to the system to help with efficiency
- The requirements (potable/process water, space heating or both)
- Climate and spatial conditions within or around the building



## What We offer

Galu offer numerous features of the design to make the solution easier and more efficient such as:

- Bespoke design to meet the requirements of the solution
- A Control of the heat recovered (variable speed pump)
- Better quality storage and heat retention (Galu accumulator tank)
- Control of energy transfer to potable/process water
- Touch screen control offering remote access, control, and energy optimisation



## What to do next

To find out more information about Galu heat recovery systems and solutions you can contact us through:

Our website: [www.galu.ie](http://www.galu.ie)

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