



Our technologies

Some of our carbon reducing initiatives

Hydrogen as a fuel

The use of green hydrogen technology can help to provide zero carbon power and fuel for all brewery operations. Hydrogen is an exciting opportunity as it's the lightest and the most abundant element in the universe. It also acts as an energy carrier which means it could play a crucial role in supporting the transition to a decarbonized global economy.

There are zero greenhouse gas emissions associated with hydrogen generation if the energy required for this process originates entirely from renewable sources, such as solar or wind. In this case, the hydrogen is commonly referred to as 'green' hydrogen. A hydrogen production facility will be placed close to breweries which will include a battery, hydrogen storage unit, and a hydrogen refuelling station used for HGVs.

Simmer & Strip

Our "Simmer & Strip" brewing process was invented in our R&D Centre in Leuven, Belgium. The process innovation reduces brewing emissions by 5%. We're sharing the patent with smaller brewers, for a Future With More Cheers.

Simmer & Strip that limits the amount of water and heat needed for the brewing process, resulting in a reduction of water consumption and carbon emissions.

Dry De-Husking

DDH allows us to remove part of the outer husk from malted barley grains before we begin the first stage of the brewing process, which is known as mashing and involves soaking the barley in hot water to extract its sugars.

DDH has two major benefits: first, it means less energy is used in mashing, since less hot water is required to penetrate the husk-less grains. Second, the discarded husks can be collected and used as biofuel for the brewery's boiler, meaning less reliance on fossil fuels.