


Klein River Cheese

Cape Town

 **50%**
Reduction in energy consumption

 **1 745 GJ**
Energy saved

 **ZAR 290 996**
Money saved

 **125 tCO₂e**
GHG mitigated

 **ZAR 100 000**
Investment made

Sector: Agro-processing
Intervention: Steam system optimisation, 2017

THE COMPANY AND THEIR PRODUCT



Klein River Cheese is a small family run cheesery based in the Western Cape. All their cheese is made using age-old artisanal methods from locally sourced, pasture-fed cows' milk.

Once made, the heads or rounds, are kept in one of seven maturation rooms where the temperature, lighting, humidity and air flow are monitored under very strict conditions. Depending on the type, maturation may vary from one month to one year.

The cheeses are currently sold at Pick 'n Pay, Woolworths, Checkers, Spar, Fruit & Veg, and speciality stores or delis across South Africa, as well as directly from the Cheese Shop on the farm.

THE ENERGY EFFICIENCY INTERVENTION

Energy savings were achieved when Klein River Cheese replaced the boiler that utilised a four tonne / hr boiler but only required roughly 150-200 kg / hr. The old steam boiler was decommissioned and a used hot water boiler was purchased, and hot water piping was installed. The hot water tanks and hot water piping were insulated.

This intervention resulted in a 50% reduction in energy saving.

