

E Cube- Food Producer



Business Focus

Paramount 21 Ltd are a frozen food manufacturing business based in South Devon. They produce a range of speciality Seafood and vegetarian added value products for the foodservice and retail markets.

Sustainability Action taken:

Paramount 21 investing in eCubes for their factory freezer. The eCube is a wax cube that fits onto a thermostat sensor and changes how fridges and freezers works by mimicking food. Rather than respond to fluctuating air temperatures, the eCube makes refrigeration units read food temperature only.

Refrigeration units work in a series of cycles, monitoring air temperature in order to decide when to switch on and off. But air temperature rises faster than the temperature of food, so refrigeration units work harder than necessary. ECube reports that after fitting an eCube, refrigeration cycles are less frequent and last longer, while food temperature is kept constant. They report that it can reduce energy consumption by up to 33%.

Paramount 21 found that the costs of the cubes at around £100 each had an almost instantaneous payback with the reduction in energy costs.

How can members action this?

Find out more about eCube through their [web site](#).