



Client Chambers Farming Group

Location: Cambridge, Cambridgeshire.

Scope of job

The existing potato holding store at Chambers Farming Group is 15 years old and the refrigeration equipment had become unreliable. It had become expensive to maintain and the energy costs were high. As Adcock is a well-known, local firm with a long and trusted reputation in providing refrigeration solutions for farming, we were asked by the client to survey the project and submit a proposal for an energy efficient solution to the problem.

What the project entailed:

Our survey confirmed that the equipment they were using was ageing and that continued repairs would not be financially prudent due to the lack of reliability and the inefficient energy costs. Further to this, as the product is sold on weight, it is very important that the natural effect of de-humidification during prolonged storage is minimised, to ensure the product maintains an optimum percentage of weight.

Adcock design engineers have the knowledge to design a bespoke system and with this, a unique compressor pack was configured using technically advanced controls which will operate the room to very close temperature and humidity control. This will keep the potatoes in optimum condition and reduce energy costs significantly.

Timing: August 2015

What we brought to the job:

Our experienced specialist refrigeration team were able to design and install a bespoke design which would guarantee high product quality and low operating costs, plus the assurance of a very reliable system that would bring them long term benefits.

Our ongoing maintenance agreement will ensure that the system continues to run highly efficiently.

Equipment installed:

2 x 25HP Bock compressors with inverter control, coupled to a remote air cooled condenser with digital fan motors.

Carel electronic expansion control devices.

