



# Testimonial - 10,000T potato store

## Specialist Installations Division

PJ Lee and Sons commissioned the Specialist Installations Division of Thurlow Nunn Standen Ltd to design and manage the construction of a new 10,000 tonne potato store complex in Cambridgeshire.

The store comprises 7no. storage chambers averaging 1,500 tonne capacity stored in 1.2 tonne boxes. There is also a clear central open space area of 2,088m<sup>2</sup> which provides for grading and short term storage.

Christopher Lee of PJ Lee was keen to incorporate the latest technology within the stores and Omnivent Teckniek from

the Netherlands installed their suction ventilation system which provides for high ventilation levels, humidification and even heaters to ensure that the crop can be quickly dried off in those late wet years.

This suction system will work in conjunction with a central refrigeration plant designed and installed by JD Cooling Ltd of Kings Lynn. A central glycol chiller will provide cooling to 6no. of the chambers with the refrigeration load being able to be directed wherever it is needed.

A 250 kW solar PV system will provide a significant contribution to the energy requirement of the store.

With such a large building it was a challenge to ensure as much of the building as possible could be directed to face south avoiding valley gutters and provide clear access below without columns obstructing access. This was achieved with an innovative steel design.



The site during construction

