

## ***100t/h capacity conveyors and elevators for cereals handling project***

Guttridge, Spalding, UK, has delivered a series of Carrier conveyors and bucket elevators for Kneesall Lodge Farm, part of the Thoresby farming estate. Here cereals are fed at a rate of 100t/h into either of two wet grain pits, from where they are transferred via chain and flight conveyor on to an inclined conveyor which feeds the aspirator pre-cleaner, designed to remove dust, chaff and husks. From this point material is transported vertically by a belt and bucket elevator where it passes through a diverter valve and into the drier, with any overflow returned via a horizontal conveyor to the wet grain pit.

Dry product is then fed on to an inclined chain and flight conveyor which supplies the second belt and bucket elevator. As before material passes through a second diverter valve of identical specification and is then delivered on to an inclined conveyor to the final 6000t store and bulk outload conveyor. The Carrier range of equipment, acquired and in many instances upgraded by Guttridge following the demise of Carrier Bulk Materials Handling in 2004, is specially designed for handling cereals.

Main contractor for the project was Chief Industries UK Ltd which designed the materials handling infrastructure as well as supplying a 75t/h drier, a 100t/h aspirator and the PLC control system.

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***Some of the Carrier conveyors and a bucket elevator (right) supplied by Guttridge; the equipment had to meet specified noise emission limits***

