

University of Cambridge - Park Farm

Located on the outskirts of Cambridge, between the villages of Madingley and Toft is Cambridge University's Park Farm. Since 1997 Park farm has predominantly been used as a Dairy Unit.

Gowing and Hunt Ltd who were also involved in the original dairy building construction was employed by the main contractors R. G. Carter to design, supply, install and commission mechanical and electrical services to a new Lamb & Calf, Young Stock buildings, and grain store and refurbishment works to an area of the existing cattle shed.

New Mains Water pipework services were taken from the existing plantroom to feed hot water cylinders and drinking water outlets. High volume water supplies taken to serve hose wash down points around the site. Tank fed cold water down service was taken from the main water storage tanks to serve animal drinkers, automatic calf feeders within the young Stock & Calf / Lamb areas.

A Supply air sock was installed within the Calf area to introduce fresh air to the rear of the building.

Electrical power was installed to all new buildings throughout utilising the existing Electrical supply and generator system. Electrical supplies were also installed to water heaters and electric radiant heaters used to keep calf and lambs within a controlled temperature environment. Weighing equipment, calf milk feeding units and weather / humidity controlled ventilation systems were also connected to electrical infrastructure.

In the New Grain store electrical supplies were installed to automatic shutter doors for the main storage area access, stirring units and two 50 h.p. drying fans operated by manual control.

New lighting systems have been installed within the buildings' service areas. Optimum level of external site illumination is achieved via photocell controlled, light pollution free IP65 light fittings. Purpose designed AGILED was designed for each of the livestock areas. The system allowed the lighting level automatically adjust to desired brightness level dependent on the external light levels. The system automatically switched to infrared lighting (undetected to cattle) with manual override built-in. The lighting was specifically designed to increase to milk yields' of the cattle.

