



MANUFACTURING



Australian Lamb Colac (ALC), Victoria

Every second counts - A reliable and scalable network designed to perform all day, every day



D-Link partnered with StevCom to install a new, comprehensive and reliable LAN to not only carry the current network but have the headroom available to accommodate future expansion.

— Australian Lamb Colac (ALC), Victoria

Background

Organisation:

The ALC Group purchased the established CRF Colac Otway export lamb processing plant and associated Otway Fresh Freezer in October 2013.

Since arriving they have invested heavily and extensively on a dynamic building and refurbishment program to meet the demands of their ever-increasing export business to over 69 countries worldwide. In addition to this thriving export business is a recently announced 10 year contract to supply dressed lamb to Coles Supermarkets. This national business contract will see the delivery of 1.1 million lambs per year to Coles.

Overview

The plant's existing copper and fibre structured LAN (Local Area Network) is a vital component in the company's production process. It gathers and processes information for;

- Carcass tracking, grading and product yield
- Administration – Accounting, Payroll, Stock control etc
- Human Resources and OH&S
- PLC (Programmed Logic Control)
- CCTV and Access Control Systems

Their cobbled-together LAN inherited in 2013 eventually buckled under the load and could not meet the demands of ever-increasing production loads.

Challenge:

Although highly mechanised and automated, lamb production on this scale is still very labour intensive. Any stoppage during a production run has an immediate ripple effect along the processing chain with a subsequent loss in production time, (dollars per second) plus the costs to rectify and repair. The existing LAN inherited in 2013 simply could not cope with the demands placed upon it so a new, more robust and efficient LAN was required.

The Solution

In conjunction with ALC's IT Department a completely new LAN has been designed and rolled out as the plant's new buildings, refurbishments and modifications take place.

The new LAN takes the form of a single mode optic fibre backbone loop and two new purpose built IT rooms complementing the existing IT rooms and cabinets located around the plant. The LAN has been divided into three separate entities;

1. Administration
2. PLC
3. IP Surveillance

Each of these categories has a fully redundant operating path independent of each other.

The Outcome

As part of the completely new LAN, D-Link partnered with StevCom to supply the most reliable switches available to not only carry the current loads but have the headroom available to accommodate new business such as the new Coles Supermarket contract.

Products integrated in this solution include:

	26 x D-Link DCS-6513 Full HD 3MP Day & Night Outdoor Vandal-Proof Network Cameras
	59 x D-Link DCS-6511 HD Day & Night Outdoor Vandal-Proof Network Cameras
	16 x D-Link DGS-3420-52P 52-Port Gigabit xStack Layer 2+ Managed PoE Stackable Switches
	6 x D-Link DGS-3420-28PC 28-Port Gigabit xStack Layer 2+ Managed PoE Stackable Switches
	10 x D-Link DEM-432XT 10GBase-LR SFP+ Single Mode Transceivers
	6 x D-Link DEM-431XT 10GBase-SR SFP+ Multi Mode Transceivers

Contact us for more information on Network Solutions for your Business.

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