

# Alliance Group

## New dual species kill floor

Alliance identified the need to further utilise their existing Lorneville facility and increase their share of locally processed beef.

This brownfield project would enable Alliance to process manufacturing cow and venison within the existing venison building footprint, while other facilities remain focused on prime beef.

-  Lorneville, New Zealand
-  Advisory services, design, value engineering, procurement, project management, commissioning

### Project scope

To develop an efficient, flexible, and cost saving solution for Alliance, Wiley Engineers developed a unique processing flow layout and system to support the complex requirements of handling multiple species and sizes. The bespoke solution orients animals of different sizes into a range of positions, minimising operational complexity and processing time, while maximising yield.

Put simply, this makes processing easier and faster.

Wiley delivered the complex processing system, supervised the manufacture installation and handover, and developed safety systems, processes, and a control system.

Our collaborative approach was key to the success of the project:

- Maintaining a safe working environment required increased monitoring of high-risk areas
- Ensuring effective manning and task schedules suited each species, which also required differing control sequences
- Developing a quartering hoist system to safely operate in a narrow corridor supporting automated processing of venison, and semi-automated processing of beef
- Developing a process to accommodate the beef sides on one skid, and venison bodies on two skids, which cannot be rotated.

Wiley's meat industry specialists bring a strong understanding of the complexities involved in meat processing. This knowledge, combined with decades of experience and our future focussed approach, helps our meat clients remain competitive and embrace new technologies and methodologies.

### Business value to client

The successful completion of this project provided Alliance with many benefits:

- Improved utilisation of existing space to increase processing efficiencies
- Increased venison processing rates
- Increased capitalisation on the manufacturing cow season (towards the end of the venison season), as the new processing system now handles all sizes of stock up to 600kg

### Partners and consultants

Switchbuild | Todd Engineering | Scott Technology | EB Engineering solutions



Complex services



Live environment



Value engineering



Advisory Services

