

JBS Australia

Automated Marshalling Conveyor System and Boning Room Trim Management System

JBS Australia is a division of JBS, Brazil's largest multinational in the food sector, and the world's largest meat company. JBS is Australia's largest beef processor and one of the country's largest lamb processors.

JBS Dinmore is the largest beef processing plant in the southern hemisphere and the largest employer in Ipswich. JBS identified the need to redesign and automate key processing systems at the Dinmore facility to improve safety and increase capacity and productivity.



Dinmore, Queensland



Advisory services, detailed design, construction, equipment manufacture, installation and commissioning

JBS facility: Dinmore

Project scope

Wiley were engaged to deliver a world first Beef Carcase Automated Marshalling Conveyor System and Boning Room Trim Management System, including:

- Detailed design and construction
- Manufacture, installation and commissioning of complex mechanical equipment
- Development of computer program logic to control the operational system for the marshalling chiller

Through innovative approaches in design, engineering, materials and processes in the development of the system, the project was completed successfully on time and within budget.

The \$77M project was delivered over a 23-month period, coinciding with the COVID pandemic, labour and material shortages, supplier volatility and the 2022 Brisbane floods.

Business value to client

Wiley successfully delivered a system that provides significantly increased efficiencies within JBS operations:

- A fully automated marshalling system which conveys, sorts and stacks beef sides into meat grades for processing, improving safety and productivity (allowing JBS to process and chill 3,400 cattle per day)
- Expanded plant chiller capacity and improved configuration to handle higher processing volumes
- A state of the art meat trim management system, enabling JBS to deliver premium products with increased value, greater consistency, reliability and food safety
- JBS were able to implement a 'second shift' in the first half of 2024 and employ an additional 500 people

Wiley is committed to working closely with the meat industry to create meat facilities incorporating advanced technologies, sustainable practices, and efficient processes to enhance production, quality, and safety within the meat industry.

Partners and consultants

Davey Group | CE Group | CV Services | Gordon Brothers Industries | Pro Ali Design



In addition to an expansion in the workforce, the increased capacity at JBS will provide opportunities for greater innovation and local investment right here at Dinmore.

Shayne Newmann, Local federal member (at time of project delivery)



Wiley has proudly entered this pioneering project for JBS in the 2024 AIB Professional Excellence in Building Awards. We have, and continue to, learn from our experiences helping JBS build the meat facilities of the future.

Graham Harvey, JBS Relationship Manager (at time of project delivery)



Complex services



Live environment



Meat



Automation

