

# building for your future



**how smart design provides cost effective operations and expansion opportunity.**

## planning for the future.

We were approached by Darwalla Poultry Distributors to design and construct a state-of-the-art hatchery in Allora, Queensland to replace an ageing facility in Mt Cotton.

The design had to meet Darwalla's current business needs, as well as the plans of growth into the future. The facility has been master planned to enable this expansion when required, such that it can be extended and constructed without interruption to current operations.



## an eye for detail.

Our Food & Beverage design team worked with the client to produce an efficient hatchery layout that ensured operations could reach their absolute potential.

Hygiene was of paramount importance with the building being detailed for efficient cleaning as well as robustness to withstand the daily rigours of operations. Constant movement of heavily loaded trolleys creates substantial wear and high quality floors become critical.

A hatchery can't run out of essential services, even for a moment. With this in mind, our Food and Beverage team designed the appropriate water supply, storage, gas and compressed air supplies.

Power blackouts are covered by back-up generators that have capacity to run the entire facility.

### LOCATION

ALLORA, QLD

### CLIENT

DARWALLA  
POULTRY  
DISTRIBUTORS

### VALUE

\$14.5 MILLION

### CONTRACT TYPE

DESIGN &  
CONSTRUCT

### CONTRACT START

JUNE 2016

CONTRACT  
COMPLETION

DECEMBER 2017

With no sewer main to connect to, the waste stream had to be irrigated. Through previous hatchery design and construction experience, we were able to recommend and implement a filter screen. This is a highly water efficient process which is incredibly effective at removing solids from the waste stream. A system designed like this provides high quality irrigated water and manages EPA requirements.



**“we know that the Allora hatchery has *the benefit of our experience.* It is a state-of-the-art facility that will enable Darwalla low operational risks well into the future”**

BRENDON ZARINS  
FOOD & BEVERAGE SENIOR DESIGN MANAGER

## **bespoke design and equipment.**

Once Darwalla had selected their preferred hatch and automation providers (Petersime and KL Automation), our team worked with the specialist contractors to finalise an integrated design solution.

This meant designing a hatchery facility to cope with truck movements, deliveries and despatch, with staff safety of critical importance. We also designed the facility to suit the requirements of Darwalla's insurers for best practice in asset loss prevention, and, of course, the statutory requirements of the Building Code.

The hatchery's staff amenities were designed to provide comfortable facilities while meeting hygiene requirements. Multiple areas were incorporated because not all staff are able to access every part of the hatchery due to biosecurity risk management protocols.

## **from little things...**

800,000 eggs  
per week at  
full capacity

the waste water  
system can output  
30 kilolitres  
per day

\$9m of specialist equipment  
sourced from all over the world  
inc Canada, USA and Belgium



**BADGE**