

Hydraulic Support Services

STENMAR Group

Hydraulic Upgrade



New high pressure 3" pipework had to be cut, welded and installed on site. Long lengths had to be accurately measured, joined and secured along walls, floors and through sections of roof. Much of this involved working at heights (9-10m) and long runs (up to 18m). All pipes needed to be painted in a standard colour-coded protective coating.

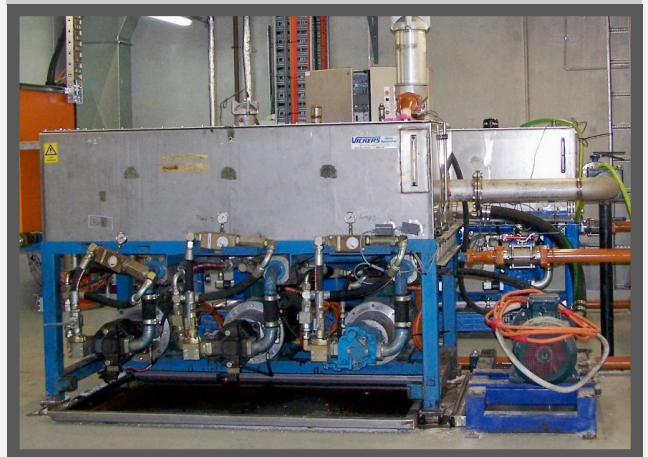


Due to the very tight timeframe required, the work was done across weekends and after hours.

Site conditions were difficult due to long distances and high temperatures in the plant.

Stenmar Group were contracted to do major hydraulic upgrade work at a large poultry processing plant in Melbourne.

The plan to increase capacity involved the addition of a new hydraulic power unit to compliment the existing one. In order to minimize disruption to production, the job was divided into several stages.



A new power unit was commissioned in a dedicated plant room. Existing pipework had to be tapped into. The old power unit was then disconnected and re-located to the plant room alongside the new unit. A 5" stainless steel balance pipe was installed between the two.

Flanged stainless steel ball valves were fitted to allow isolation where required.





New filtration was installed to provide suitable protection from contaminants for the expanded hydraulic system.

A heat exchanger circuit was also added to cool operating temperatures. This was assembled on a specially built skid/frame and mounted on the roof of the building.



Additional pipework to the rooftop was required to allow the incorporation of the bank of heat exchangers.



The challenges associated with such a large scale upgrade on an existing operating plant were major. Careful planning and dedication to the task at hand were necessary to minimize downtime on production and meet deadlines.

The job was completed successfully within the allocated time and the plant has now reported improved efficiency as well as considerably increased output.

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Hydraulic Support Services
Specialist Hydraulic Services

STENMAR Group
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