

About US

MD Consulting & Engineering Services provides specialised services and project capability to the Dairy, Brewing, Beverage and Processed Food sectors. We can offer everything from concept design through to fabrication, construction and installation of complete turnkey solutions.

Our aim is to built MD Consulting & Engineering Services into the largest independent specialist food engineering group in Australia.

Utilising a diverse range of internal skills including engineers, project managers, manufacturing managers and maintenance technicians, we support our client's business requirements.

With engineers and maintenance technicians, we create cross functional team to address most project challenges and

- Support Operations team and Engineering team
- Provide Engineering & cost- effective solutions to the business having a realistic impact.
- Ensure equipment reliability and availability by targeting equipment with downtime data and engineering analysis.
- Providing high level mechanical support and continuous improvement
- Managing contractors
- RCA , BDA, TPM
- Deployment and management of Reliability CMMS Tool
- Providing training and guidance to maintenance trades

Recent projects & achievements:

- Upgrading the existing wastewater treatment plant for two sites. This includes integrating a belt press and polymer injection to coagulate the suspended solids.
- Completed Installation and commissioning of a \$750k Demoulding automation line aiming at \$300k annual labour saving. Using the robotic automation coupled with an automatic demoulding and transfer conveyors, the FTE reduces to 3 from 7.
 - Equipment Installed included: ABB Robot, Remote Automation Support System including camera, Modified Vacuum Suction head.
- Successful Installation of a \$ 875k NPD Make & Packaging line to adhere to the launch date.
 - Equipment involved: Vacuum Extruder, Wire Cutter, Flow wrapper, checkweigher, metal detector, conveyors, carton Sealer & inkjet printers
- Implemented \$ 750k packaging line for a NPD involving refurbished packaging machine, x-ray, checkweigher, carton taper and inkjet printers.
- Upgraded the existing poly hot water ring main to Stainless piping and implemented insulation to reduce energy losses.
- Prepared the Capex approval documentation with detailed design and analysis to support the financial aspect of the project.
- \$450k savings per annum due to re-engineering equipment
- Equipment improvement that instantly saved business \$50k per month
- Improvement with spares and suppliers to reduce cost and provide higher quality equivalent parts with shorter lead time therefore reducing downtime and overall cost.

Some of the equipment's we have worked with:

Mixers, Homogenizers, Pasteurizers

Rotary fillers

Wrapping machine and Packaging lines

Compressors, Pumps, Gearboxes, Churns, Vats, Silo

Conveyors & AGV

Building or general site maintenance

In Services add below

Operations Services

Preventative maintenance

Breakdowns

Shutdowns

Commissioning

Continuous plant improvement

General Machining (Lathe, Milling machine)

Fabrication & Welding Services

Troubleshooting to prevent Downtime

Pneumatics

Contact Us

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