# DMH

## CONSULTING
## SERVICES

Mechanical and Structural Design
and Drafting Capabilities

# About the Company

DMH Consulting Services is a Mechanical and Structural Engineering Consultancy Based in Queensland Australia, Currently Servicing Clients in Victoria, NSW, South Australia and Western Australia.

David Molloy-Hunt (Owner) who is a Senior Mechanical Engineer has many years of experience of service in the Water, Wastewater, Mining, Manufacturing, Industrial and Agricultural Industries.

DMHCS prides itself on delivering cost effective and innovative solutions to its clients, but most importantly this is all carried out to suit client's required time frames.

# Company Services

DMHCS provides the following key services:

- Design, Re-Design, Verification and Analysis of Mechanical and Structural Equipment

- Finite Element Analysis both for Mechanical and Structural.

- Failure Analysis of Components and Equipment

- Fatigue Assessments using Finite Element Analysis

- Drafting/3D Modelling including Shop Drawings

# Areas of Capability/Experience

- Access Design and Compliance
- Pump Station and Piping Design and Verification (Including Tanks)
- Structural design and verification Including Aluminium Structures
- Mechanical Design, Re-Design and verification
- Failure Analysis of Components and Equipment
- Safety in Design Assessments
- Cranes and Lifting Design Reviews and Certification of Lifting Devices
- Product Development
- Finite Element Analysis Both Mechanical and Structural, Including Fatigue Assessments
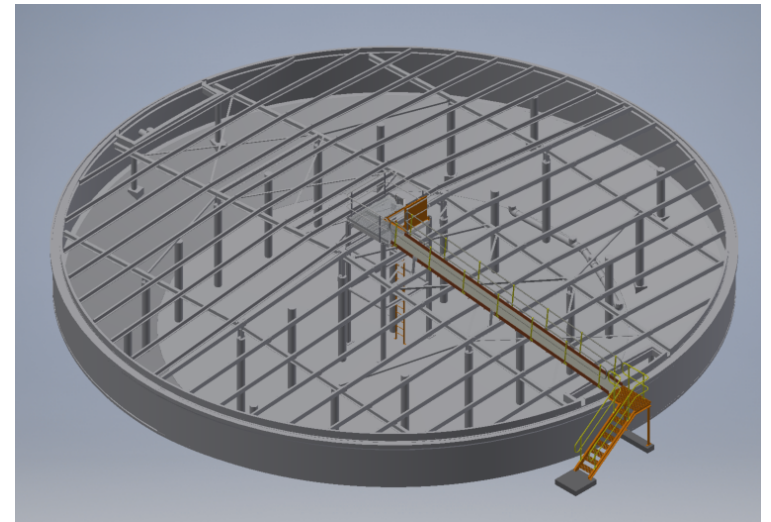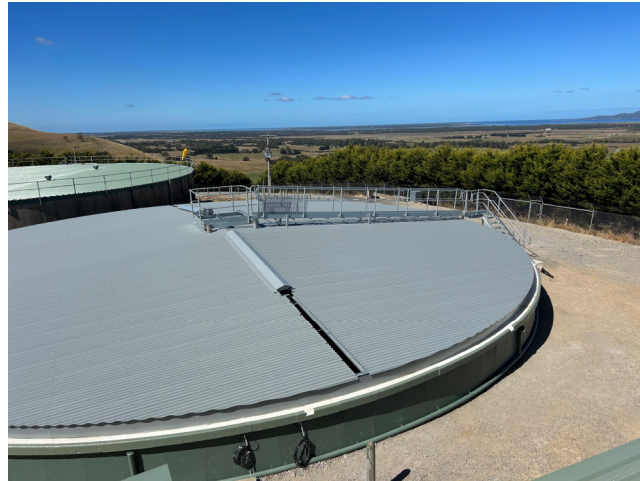- Mechanical and Structural 3D Drafting including shop drawings

# Software

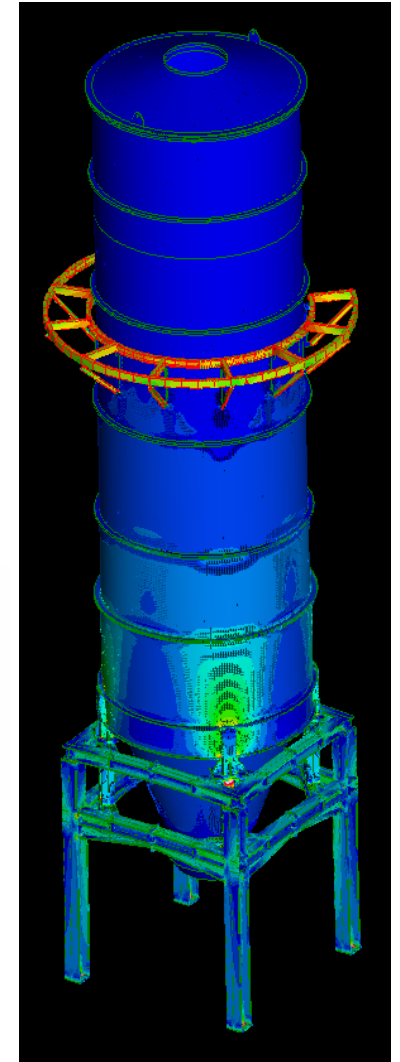DMHCS utilizes the following software for design and drafting:
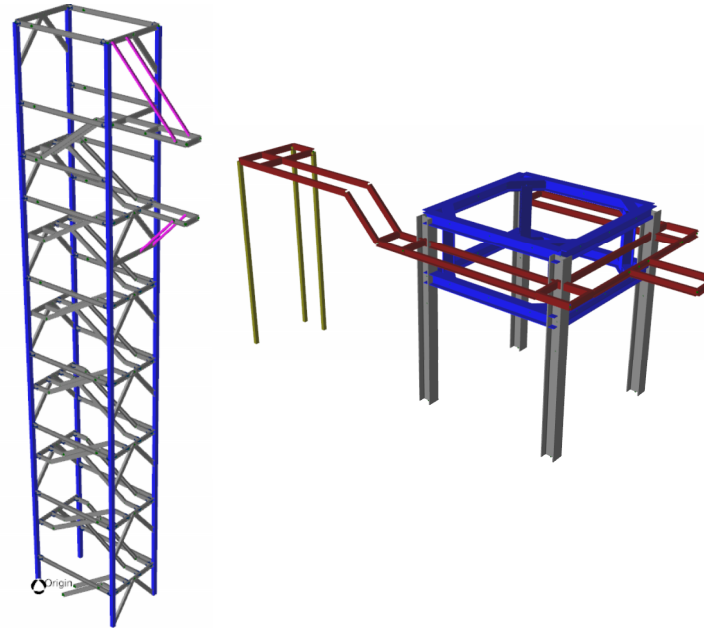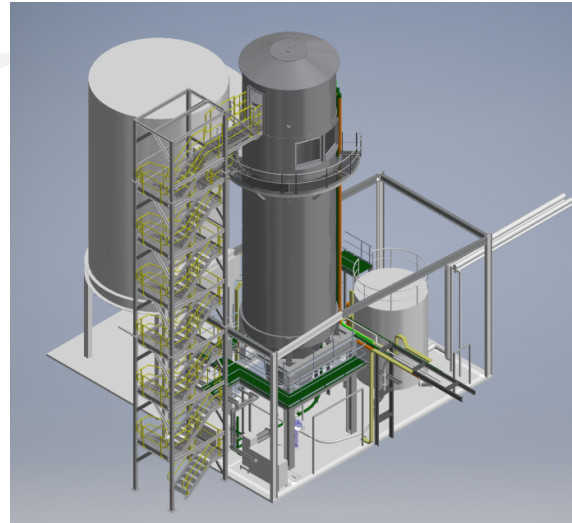
- Strand7
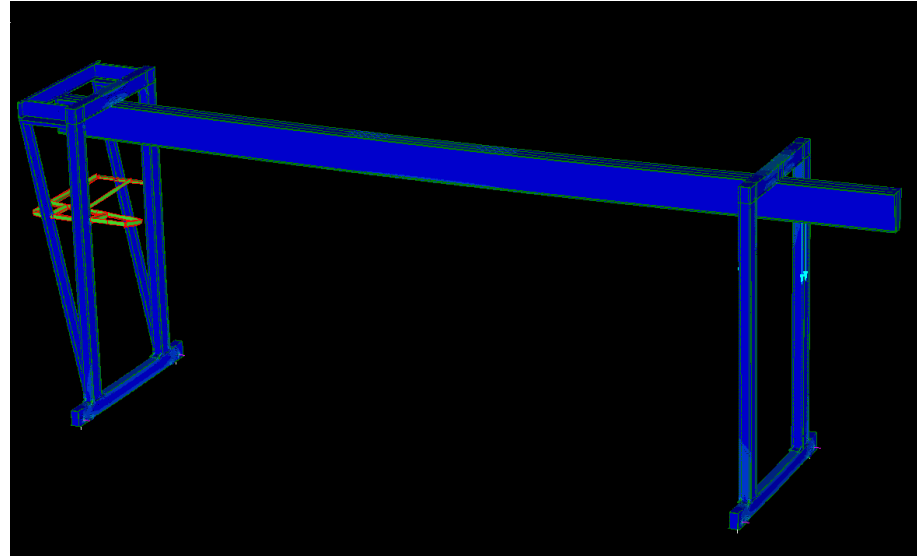- Space Gass
- Autodesk Inventor

Example Project –
Access and Roof
Design and Drafting
Toora WTP 1ML

Example Project – Crumb Silo Upgrade Design and Drafting for Mars Ballarat

Example Project – Crane Analysis For Continued Use

Example Project –
Pump Station Design
and Drafting