

Our team



Peter Mauger
DIRECTOR
PRINCIPAL PROCESS
ENGINEER



Michael Pecar
PRINCIPAL PROCESS
ENGINEER



Fernando Diaz
PRINCIPAL MECHANICAL
ENGINEER



Andrew Hartley
DESIGN AND DRAFTING
MANAGER



Sam Cook
SENIOR PROCESS
ENGINEER



Himanshu Kakkad
SENIOR ELECTRICAL &
AUTOMATION ENGINEER



Anna Hardie
SENIOR PROJECT
ENGINEER



Mark Winter
SENIOR PROJECT
MANAGER



Rob Kube
SENIOR PROJECT
ENGINEER



Sophia Wang
PROCESS ENGINEER



Aaron Smith
PROCESS ENGINEER



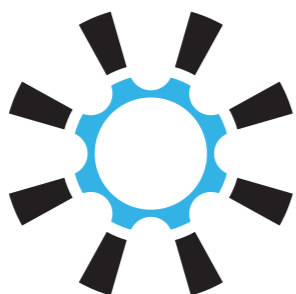
Sam Rankin
MECHANICAL ENGINEER



Thomas Hazell
GRADUATE
MECHANICAL ENGINEER



Tom Loipersberger
DRAFTER



Bright
ENGINEERING CONSULTANTS

Associations



Australian Stainless Steel Development Association (ASSDA)
ASSDA fosters the understanding and use of stainless steel by developing the competence and efficiency of the industry through promotion, education and training, the provision of technical advice and fabricator accreditation. <https://www.assda.asn.au/>



Engineers Australia
Engineers Australia is the national forum for the advancement of engineering and the professional development of its members. <https://www.engineersaustralia.org.au>



Institution of Chemical Engineers (IChemE)
IChemE exists to advance chemical engineering's contribution for the benefit of society and to support the development of chemical, biochemical and process engineering professionals. <https://www.icheme.org/>



American Society of Mechanical Engineers (ASME)
ASME promotes the art, science & practice of multidisciplinary engineering and allied sciences around the globe. <https://www.asme.org/>



The Institute of Brewing and Distilling
The aim of the Institute of Brewing and Distilling is the advancement of education, especially in the sciences of brewing, fermentation and distilling. <http://ibdasiapac.com.au/>



Food South Australia
Food SA's role is to support and develop the sustainability and profitability of the dynamic food industry in SA. <http://foodsouthaustralia.com.au/members/bright-engineering-consultants/>



International Society of Pharmaceutical Engineers (ISPE)
ISPE is the world's largest not-for-profit association serving its Members by leading scientific, technical and regulatory advancement throughout the entire pharmaceutical lifecycle. <https://ispe.org/>



Winery Engineers Association
Providing a forum for New Tehnologies & Processes that advocates Industry Standards & Best Practice. <http://wea.org.au/>



The Australian Society of Cosmetic Chemists
The Australian Society of Cosmetic Chemists is a professional scientific organisation that promotes the advancement of the theory and practice of the science and technology of cosmetics, toiletries and perfumery. <https://ascc.com.au/about-ascc/>

Contact us

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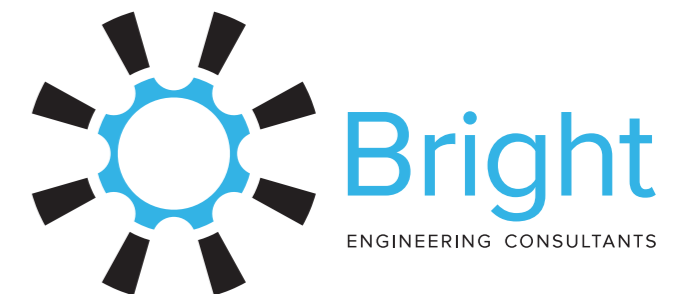
Our engineers are available to provide services anywhere in Australia. Where travel is not possible or cost effective, the latest remote access technology is utilised to ensure successful project delivery, regardless of location.

Bright

Engineering Consultants

Design & Drafting Profile

Design
Drafting
Quality
Fit-for-purpose
Safety in Design
Codes of Practice
Australian Standards



Who we are

Bright Engineering Consultants (Bright) is a multidisciplinary engineering consultancy, specialising in design and drafting. We are a business-needs focused, dynamic and agile organisation with over 100 combined years of relevant engineering and drafting experience in Mechanical, Structural, Civil, Chemical, Process and Electrical drawings and systems.

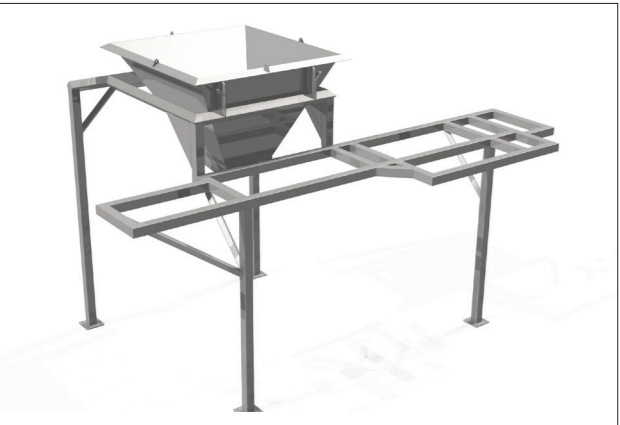
We understand the regulatory needs behind designs and layouts and work with the relevant Regulations, Construction Codes, Codes of Practice, Australian Standards as well as the expectations of our clients and their parameters.

Knowing the importance of adherence to safety, good engineering practices (GEP) and quality by design are paramount and are required to be understood by all involved when executing projects to ensure the safety of the end users and maintain the company's reputation.

We typically work alongside the client as part of an in-house engineering department, but can also work independently, acting on your behalf, providing a single point of responsibility for the required services or deliverables.

Our qualified team, with connections throughout the industries in which we specialise, work closely with our clients to ensure they receive safe, fit-for-purpose, robust and cost-effective solutions backed with engineering best practices, achieving timely and consistent results.

Bright has a strong focus on personal growth and achievement, backed by teamwork and information sharing. We value experience and knowledge and invest in learning, broadening the experience of our staff through formal external courses, industry events, networking, and internal training. We actively manage our skills matrix to ensure staff regularly practice the skills they need, to ensure successful project execution, every time.



What we do

We specialise in clean manufacturing engineering solutions, applying best industry practices in line with local, international and corporate regulations.

Our specialist team is highly experienced in delivering tailored projects for our clients, catering for their needs, budgets, timelines and quality deliverables.

We have worked, and continue to work, with leading local and international firms that dominate the food and beverage, pharmaceutical, cosmetic and manufacturing sectors. Our clients continue to partner with Bright for effective and compliant engineering solutions.

Design

Bright offers RPEQ and CPEng certifications where required by government legislation and the Work Health and Safety Act. We use competent registered Professional Engineers that work within their area of expertise.

Using the latest design software, we make sure all systems are accurately analysed and designed efficiently to create a cost effective solution. We utilise Spacegass and FEA for more complex problems that cannot be solved by manual calculation and to reduce/eliminate the need for real-life prototype testing.

Our team has completed various Safety in Design audits, Risk Assessments and HAZOPs. We can assist in carrying out inspections including machine guarding audits, assessments of new and existing equipment, lifting plans, fatigue checks, extension of life reviews, determining reasons for current equipment failures and work area ergonomics, access and clearances.

At Bright we understand GMP clean designs suitable for food and pharmaceutical environments. We work with varied materials including stainless steel, aluminium and structural steel to supply the best outcome for the client's environment, products and budgets.



Drafting

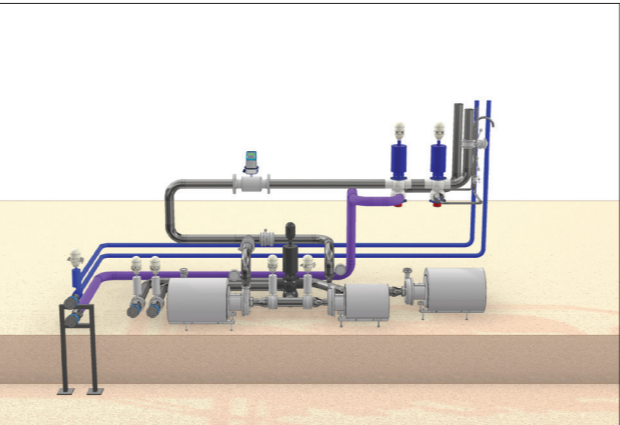
We use the latest in 2D and 3D drafting software and create drawings that comply with AS 1100. All our drawings go through an internal checking and peer review system to minimise errors and maintain high quality outputs.

Trained in site measuring and with staff from a trade background, we understand the measuring process and can minimise the detail required, but also closely collect information when accurate sizing is needed. We regularly integrate point cloud surfaces for the hard to access areas or when a large amount of detail is required.

Experienced in creating Mechanical, Structural, Civil, Electrical, Hydraulic, P&ID, Isometric, Process Flows and Architectural drawings, we can assist with all your project needs.

Drawing outputs can be in PDF format or physically printed on A3, A2 and A1 sheets as well as the latest in virtual and augmented reality outputs. We can provide virtual fly-through video tours for advertising, client engagement, or to improve your Standard Operating Procedures.

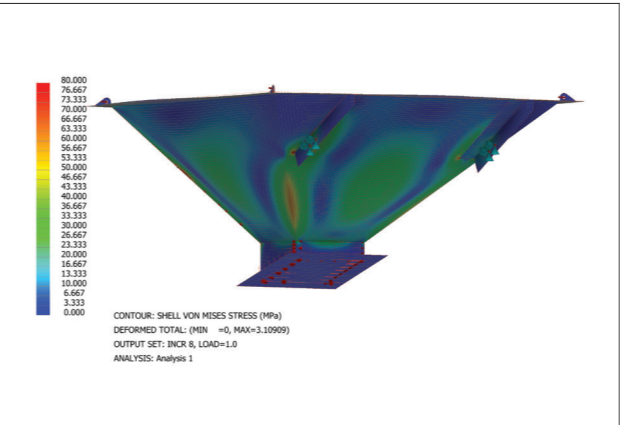
Using modern video conferencing, we can bring your team together from multiple sites and offices and walk through your new facility before it's built to improve engagement, conduct risk assessments and minimise the risk of changes during construction.



Design & drafting services

Our multidisciplinary team of engineers and professional drafters will determine the correct design and size of the systems required for your project. We can develop the documentation packages for tender, manufacture and installation for each area/discipline. Projects that we have delivered to our clients include:

- Full plant and equipment layouts
- New building design, extensions and modifications
- Slabs and footings
- Retaining walls
- Building ventilation and air flows
- Access platforms, stairs and ladders
- Pressure vessels
- Storage silos
- Feed hoppers
- Conveyors
- Pipework, valving and skids
- Floor drainage systems
- Lifting equipment and attachments
- Crane extensions and modification
- Vehicle chassis and trailers
- Transport frames
- Shipping container modifications
- Shaft and gearbox design
- Manufacturing jigs and fixtures



Our process

