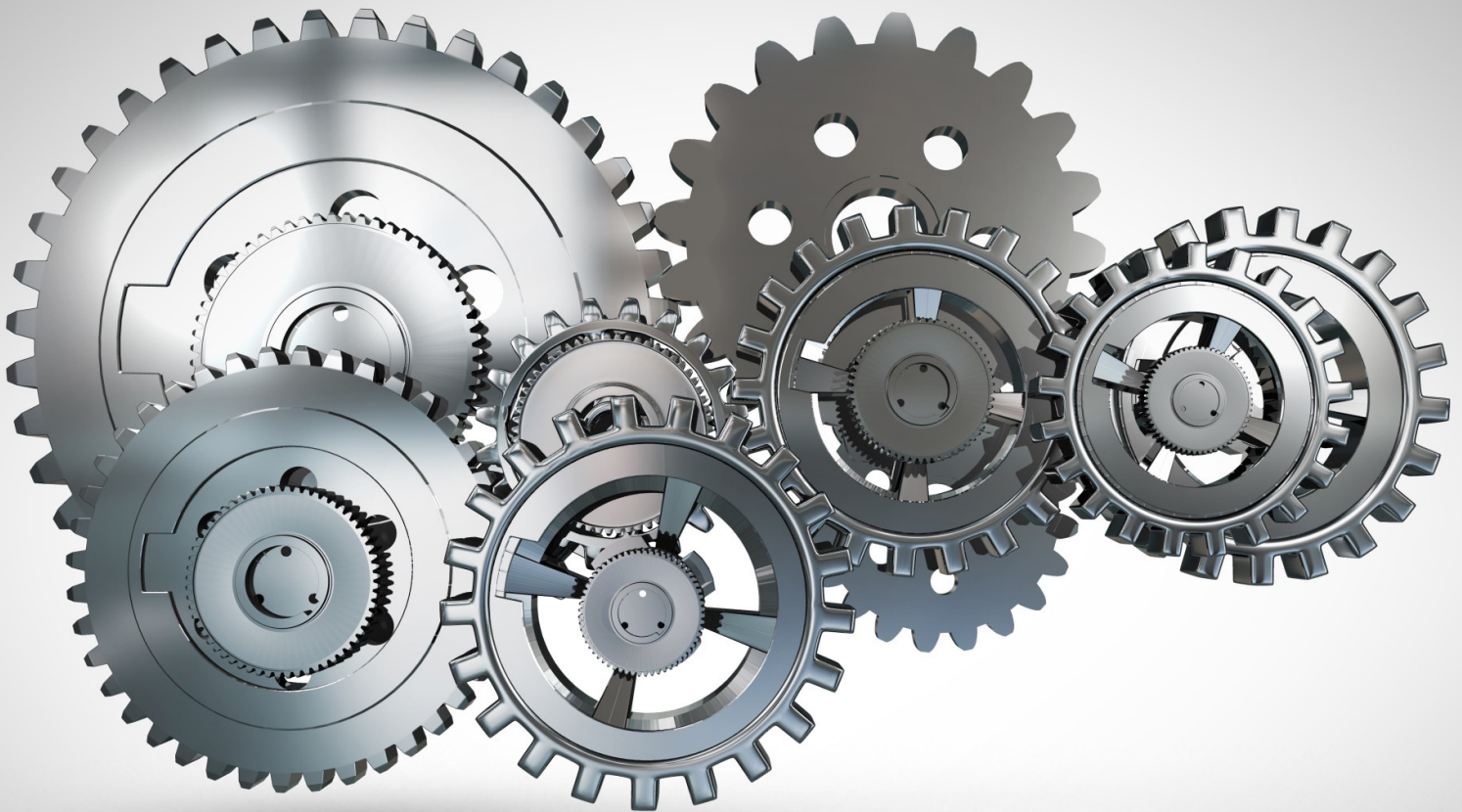


# **GENERAL INFORMATION**

## **BROCHURE**

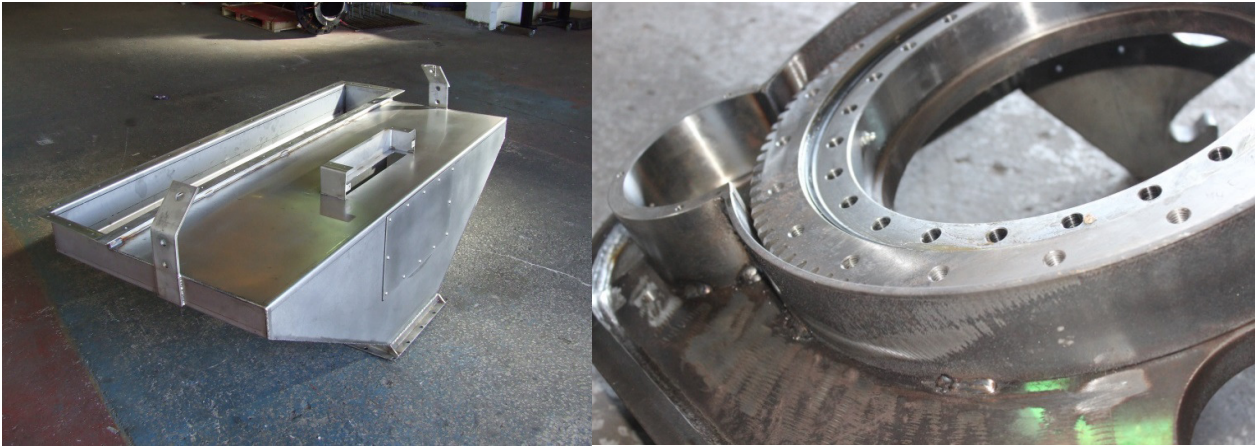


[WWW.CESWA.COM.AU](http://WWW.CESWA.COM.AU)

**ADDING STRENGTH TO YOUR SUCCESS**

Combined Engineering Services specialize in all facets of steel fabrication, machining and onsite fabrication & installation of commercial and industrial projects. CES is committed to delivering quality products to your expectations.

With CES's "get it right the first time" approach to business; we have earned an excellent reputation for cost efficiency, quality, reliability and delivery. CES have an extensive range of experience, from commercial and industrial steel fabrication through to precision & general machined parts for mining and earthmoving industry.



We are known for our great efficiency, higher quality and faster lead-times than the competition.

While CES specializes in fabricated metal products, combined with our project management and assembly capabilities, allows us to incorporate other design elements into the manufacturing process. Our production environment allows us to be an specialist in the market large volume, high precision and/or highly customized projects.

**ADDING STRENGTH TO YOUR SUCCESS**

## **FABRICATION**

Combined Engineering Services offer a vast range of workshop and on site fabrication services. Our workforce is specialists in the planning, design, construction and installation of a wide range of steel fabrication products. Our focus is on getting the job done on time, on budget and to a high standard of quality. CES have staff & facilities to quote, design, cut, crop, machine, fabricate, weld & paint all heavy and light fabrications.

Our services include:

- Heavy plate steel fabrications
- Stainless steel fabrication
- Structural steel
- Aluminum fabrication
- Sheet fabrication, folding and rolling
- Industrial plastic fabrication
- Plastic spool work (PE, PP, PVDF and UPVC)
- Onsite welding and installation

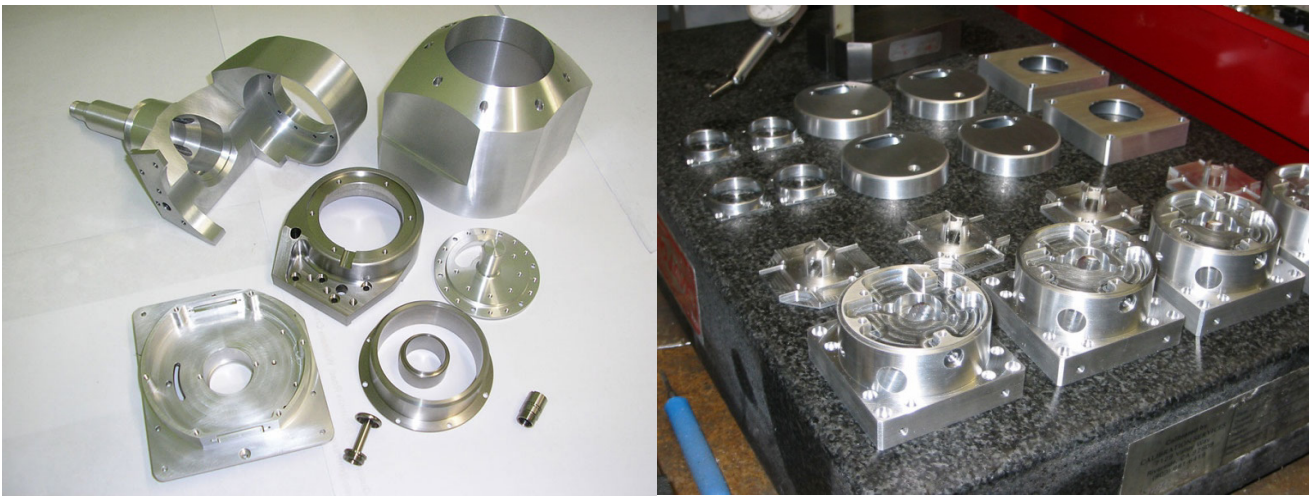


## **MACHINING**

We pride ourselves on quality, service and the quickest turnaround times on CNC Machining in Perth. We always have spare capacity available to accommodate your urgent manufacturing requirements.

Our highly experienced machinists can assist with all your engineering requirements. Whether you require Fitting, Milling, or CNC Machining, we have the equipment and know-how to complete your job on time, and to the highest standards.

Our CNC machining facility allows both scalability and versatility. We can take a product concept and through careful planning, turn it into a viable and cost effective product. We can mill and turn a variety of materials to exacting standards, including: stainless steel, steel alloys, aluminum, brass, and plastics.



**ADDING STRENGTH TO YOUR SUCCESS**

## **SPARE PARTS FOR MINING & EARTHMOVING EQUIPMENTS**

We cater wide range of customers in mining and earthmoving industries in and around Perth. Our services include

- ID welding and Line boring
- Hardened pins and bushes to suit variety of jobs
- Re conditioning of Connecting rods and brackets
- Induction hardening for Custom sized ground pins
- Horizontal boring of ID welded replacement parts

Our line horizontal boring machine, with their optional extras, represents an all round service tool for in-shop precision machining and inside diameter welding.

This new concept will perform in situ:

Boring, taper boring, Facing, Taper facing drilling and Spot facing



**ADDING STRENGTH TO YOUR SUCCESS**

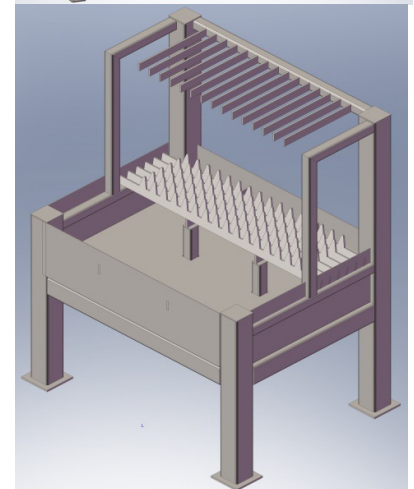
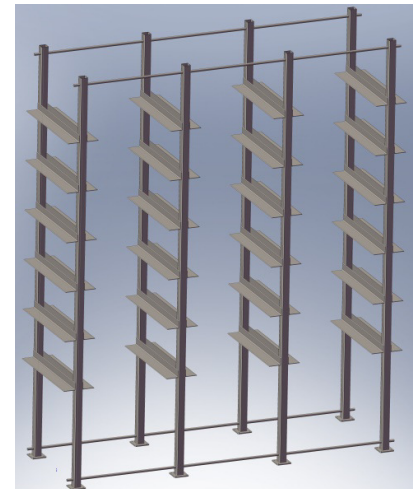
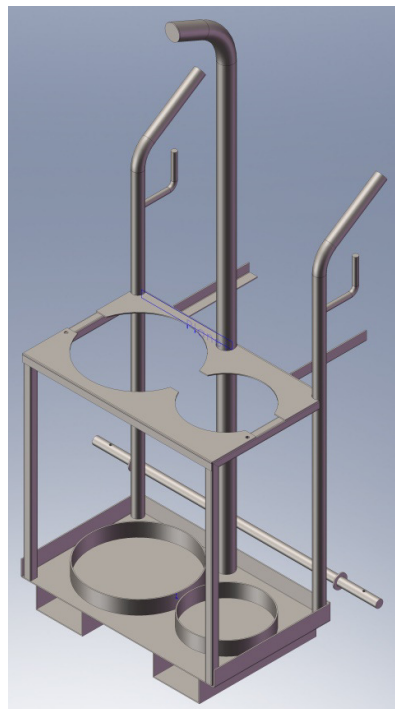
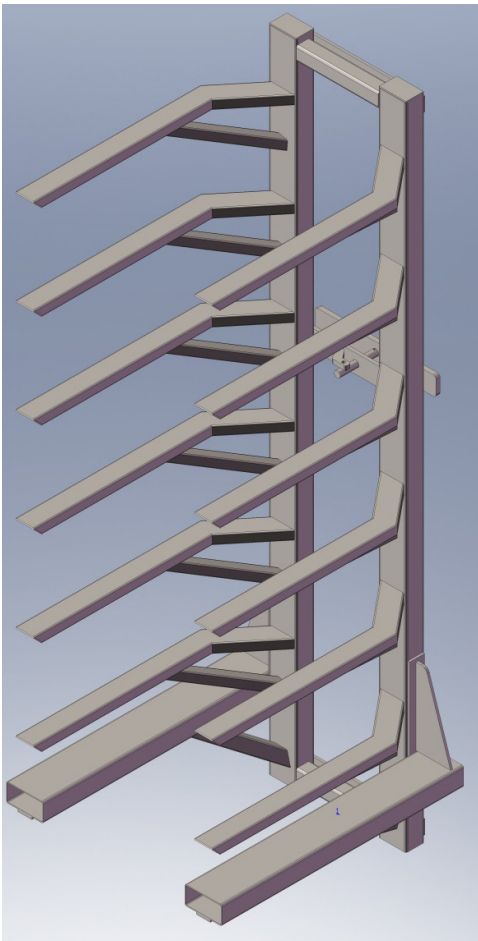
## **NEW PRODUCT DEVELOPMENT & REVERSE ENGINEERING**

Have you got a great idea but are not sure how to make it work? Maybe you want to build something but need some calculations done to ensure it meets the relevant standards. We have the resources and relationships in place to give you confidence and peace of mind moving forward with you great ideas.

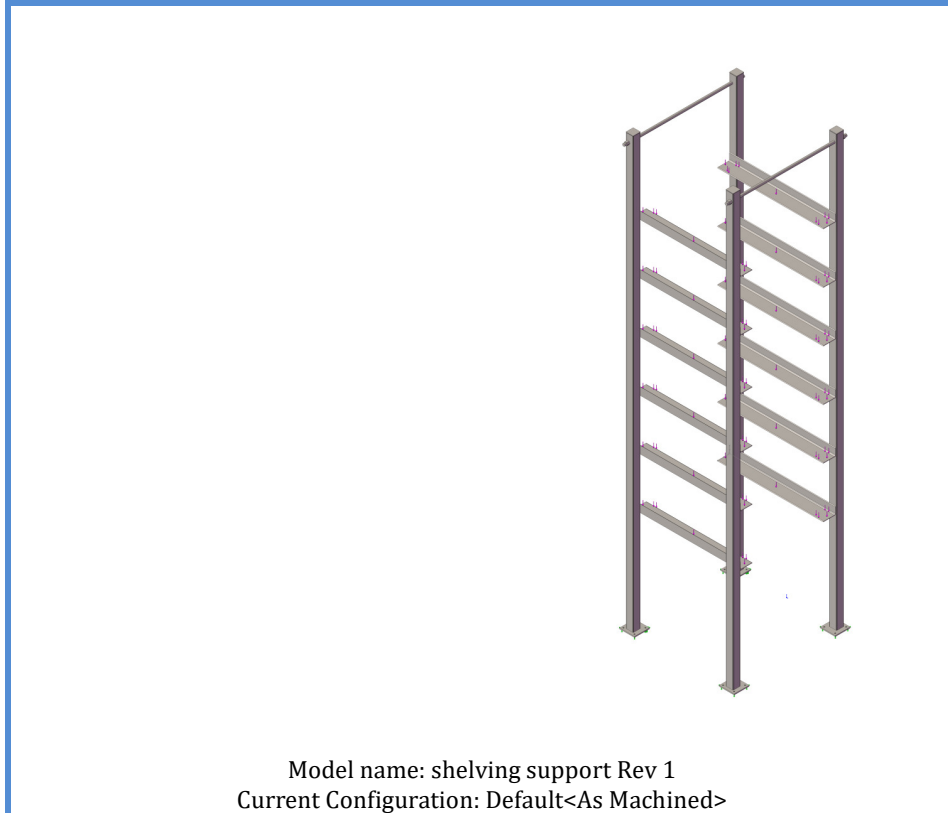
### **NEW PRODUCT DEVELOPMENT**

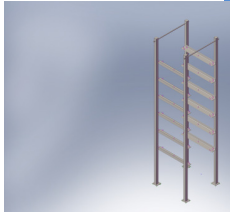
At CES, we have helped our customers successfully manufacture many hard to find standard products, damaged parts without any reference drawing and reverse engineering projects. Our experienced engineers know that today more than ever, speed and quality give manufacturers the competitive advantage.

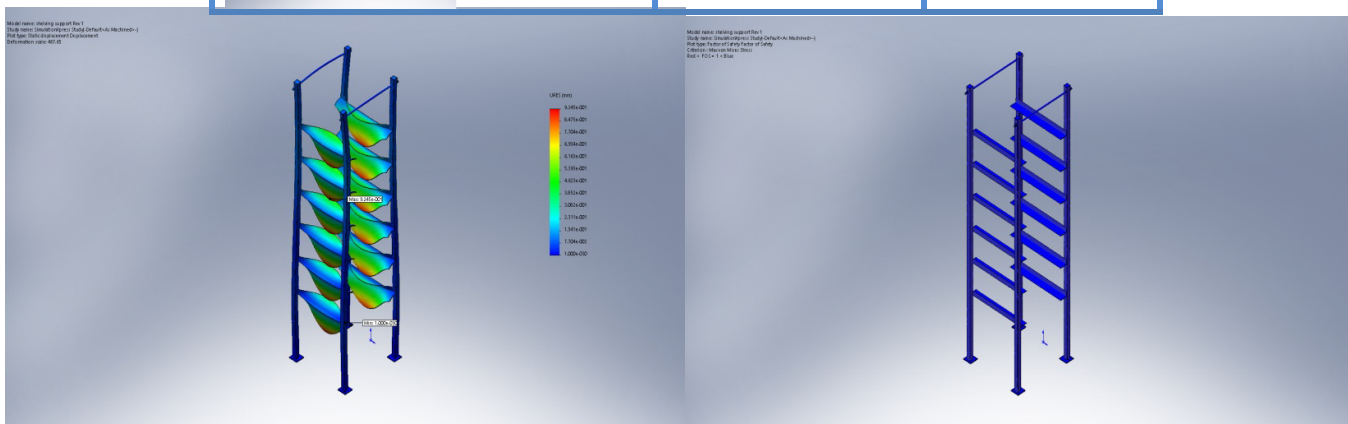
We are committed to not only providing you with fast and accurate 3D data, but data that is superbly usable and suited to your needs. When we save you time, we save you money and create an opportunity to increase your bottom-line profitability. Whether your parts are tiny components, large vehicles, or entire buildings we have capabilities to build 3d CAD models at high quality in many file formats as IGES or Parametric Solidworks, Autocad.



**ADDING STRENGTH TO YOUR SUCCESS**



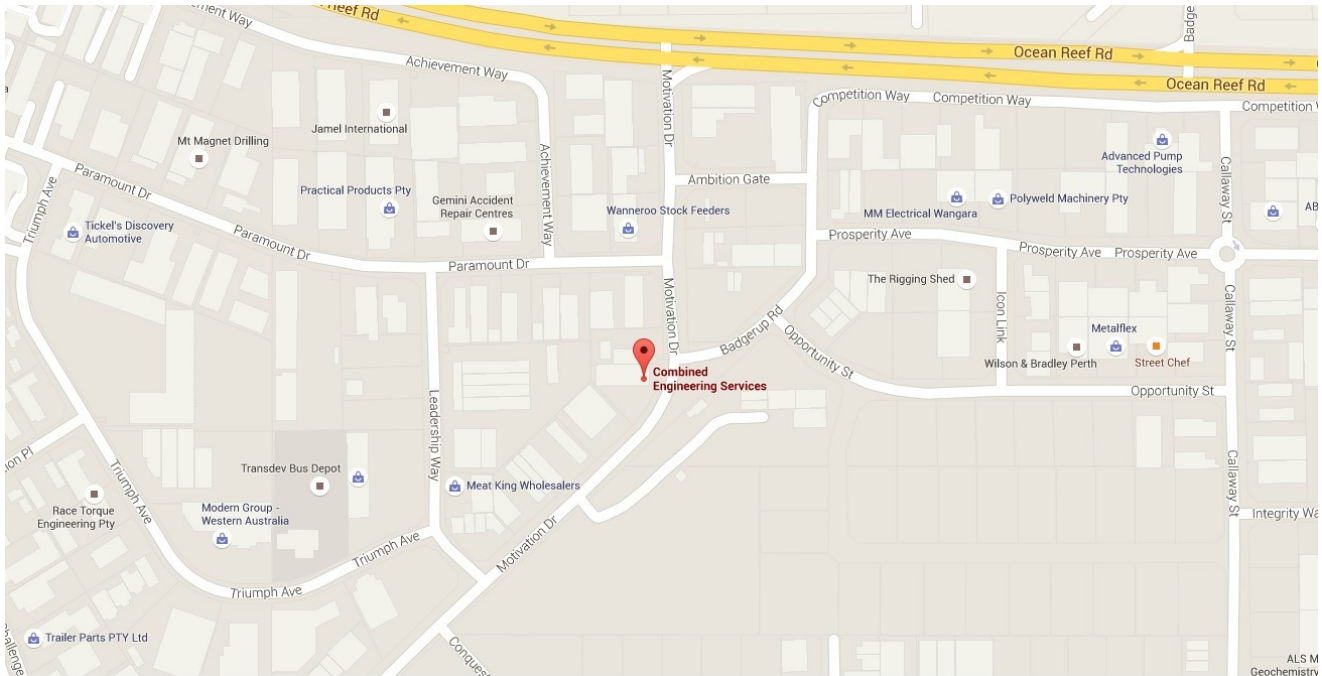
Solid Bodies			
Document Name and Reference	Treated As	Volumetric Properties	Document Path/Date Modified
Combine1 	Solid Body	Mass:228.244 kg Volume:0.0290018 m <sup>3</sup> Density:7870 kg/m <sup>3</sup> Weight:2236.79 N	C:\Users\Admin\Desktop\simulation\shelving support Rev 1.SLDPRT



**Conclusion:**

Based on the following design and required Factor Of Safety of minimum 3, this model satisfies the requirement with Minimum 5.05 FOS.

**WE ARE HERE**



**FOR ALL YOUR ENGINEERING NEEDS**

**GIVE US THE OPPORTUNITY TO QUOTE FOR YOUR NEXT REQUIREMENT**

## **CONTACT DETAILS**

### **COMBINED ENGINEERING SERVICES**

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Wangara 6065

Western Australia

Phone : 08 9302 5263

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Email : [sales@ceswa.com.au](mailto:sales@ceswa.com.au)

Website : [www.ceswa.com.au](http://www.ceswa.com.au)

**ADDING STRENGTH TO YOUR SUCCESS**