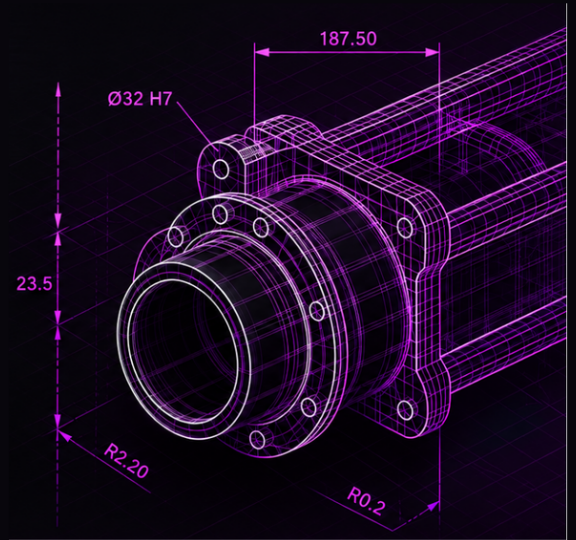




ENGINEERING DESIGN | 3D CAD MODELLING | ONGOING PROJECT SUPPORT

PRACTICAL ENGINEERING. BUILT AROUND YOUR BUSINESS.

Pro Worx Engineering provides practical engineering, 3D design, manufacturing and project support for businesses requiring either one-off assistance or ongoing technical capability.

With approximately 30 years of experience across engineering, manufacturing, fabrication, machinery, automotive, robotics, food-processing equipment and specialised projects, we turn concepts and operational requirements into practical, manufacturable solutions.

FLEXIBLE SUPPORT

Extra engineering capacity for a single task, a major project or an ongoing working relationship.

3D DESIGN CAPABILITY

Detailed models and documentation for products, equipment, structures, facilities and installations.

PRACTICAL DELIVERY

Design informed by hands-on manufacturing, fabrication, assembly, installation and maintenance experience.

YOUR EXTERNAL ENGINEERING AND DESIGN PARTNER

Responsive technical support without the cost and commitment of adding another full-time designer or engineer.

ONGOING ENGINEERING SUPPORT

- Regular or project-based engineering support
- Additional design capacity during busy periods
- Development and revision of 3D CAD models
- Production and maintenance of drawing packages
- Design changes and product improvements
- Reverse engineering of existing components
- Design-for-manufacture reviews
- Technical problem-solving and troubleshooting
- Supplier and manufacturing liaison
- Prototype development and production support
- Drawing control and technical documentation
- On-site measurement, inspection and coordination

GENERAL ENGINEERING

- Mechanical design and engineering drawings
- Concept development and design refinement
- Machinery, equipment and assembly design
- Reverse engineering
- Prototyping and product development
- Design for manufacture and assembly
- Fabrication and machining support
- Equipment modifications and continuous improvement
- Supplier sourcing and manufacturing liaison
- Project coordination from concept through production
- Technical documentation and quality-system support

3D CAD MODELLING & DESIGN

- Detailed 3D CAD modelling
- Mechanical components, machinery and assemblies
- Fabricated structures and sheet-metal components
- Equipment layouts and installation planning
- Buildings, facilities, platforms and access systems
- Sporting venues, stadiums and grandstands where required
- Structural steelwork and fabricated-component modelling
- Stairs, handrails, balustrades and platforms
- Integration of architectural and engineering information
- Design coordination and clash identification
- Construction sequencing and installation planning
- Presentation models, rendered images and visualisations
- Detailed drawings for fabrication and manufacture
- Design revisions throughout the project lifecycle

INDUSTRY EXPERIENCE

- General and precision manufacturing
- Sheet metal and metal fabrication
- Automotive and specialised vehicles
- Food-processing and industrial machinery
- Robotics and automated equipment
- Mining and materials handling
- Construction and civil projects
- Sporting venues, stadiums and public facilities
- Medical and specialised equipment
- Aerospace and advanced-technology projects

WHY PRO WORX ENGINEERING?

We combine engineering and 3D design capability with extensive hands-on manufacturing experience. The result is work that is visually clear, technically considered and practical to manufacture, assemble, install, operate and maintain.

LET'S DISCUSS YOUR NEXT PROJECT

Stell Zervas | 0403 305 460 | info@proworxengineering.com.au

Practical engineering and 3D design - from concept to completion.

Where regulated approval or certification is required, documentation can be coordinated for review by an appropriately qualified and registered professional engineer.