

4DESIGN®

ABOUT US

“Helping businesses succeed through the practice of good design and engineering innovation.”

Who Are 4DESIGN?

4design are an internationally recognised and multi-award winning Industrial Design consultancy. We have extensive experience in all aspects of product development and manufacturing from electrical devices, consumer products, medical, IT solutions, mining, sporting equipment and many others. Our service is customer driven and represents the very best in industrial design excellence. Knowledge, experience, passion and an obsession for detail defines our team.



Why Use 4DESIGN?

Our clients have often said that 4design deliver where others failed. The principals of 4design have over 30 years experience at the pinnacle of International product design. We stay with the project to the end and support our clients every step of the way because that is what it takes to create world leading products.

We have experience across all categories from consumer, medical, industrial, transport, furniture and a team of world class manufacturers with the capabilities to deliver end to end solutions.



4DESIGN®

SERVICES

“It’s our obsession with being the best and designing great products that drives us everyday”

Research

We constantly investigate emerging materials and processes, procuring samples, researching vendors and exploring possibilities to give our clients a competitive edge. Understanding the emerging drivers in advance is essential to the success of every new product in today’s fast product life cycle.

We leverage our large network of vendors and global contacts to constantly look for new improved ways to manufacture products that are beautiful, well made and cost effective.



Design

Designing a product or system requires skill, creativity and knowledge. To maximise the output from any design project, 4design draw on established techniques, our industrial design skills, expertise and the knowledge we gain working with our clients and understanding their objectives.

Creating a powerful vision starts here. The award winning products developed by 4design have their beginnings in this creative and considered product design method.



Visualisation

Our constant drive for excellence, pursuit of the latest tools, and re-investment in visualisation product rendering techniques ensures our clients are offered a service that will highlight the potential of the idea early in the Industrial design process.

Our simulation processes allow us to produce photorealistic renders and real life animations. These processes can aid in advanced marketing studies, pre-product release, imagery for websites and marketing material.



MORE SERVICES

Visual Models

The power of tangible and tactile visual representations of products throughout the product design process will improve the project outcome and ultimately the success of the product.

We employ traditional and contemporary product design techniques to develop visual models. These are made in-house by our Industrial design team to ensure effective translation from concept to model. These can range from simple form studies through to highly detailed visually accurate models.



Engineering

We engineer products in 3D CAD to maximise productivity and to meet stringent regulatory approvals and standards requirements.

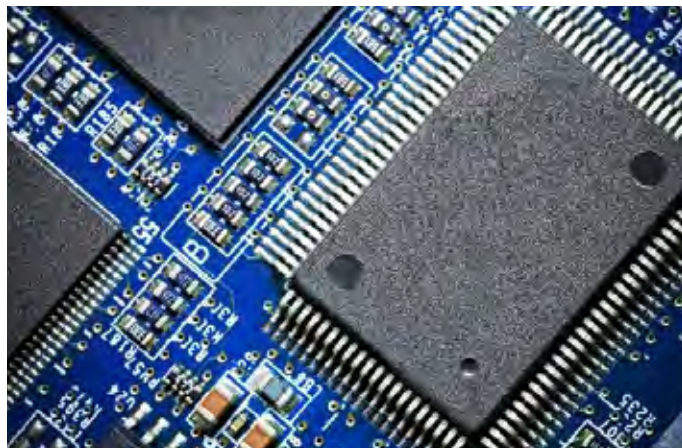
The engineering phase is the most defining process in the product development cycle. It is where a product truly comes to life and it is where every aspect and detail of the product is addressed. How these elements are resolved can 'make or break' the product's success from a performance, manufacture and commercial perspective.



Electronics

Many of the products developed by 4design have an electronic component. We work closely with our customers and various electronics teams to specify the requirements and develop electronics circuit boards for both hardware and software.

Also with an extensive catalogue of custom and propriety electronic components over the evolution of 100's of products 4design can generally offer alternate components that can improve the performance and address most issues.



MORE SERVICES

Prototyping

We are one of the very few Industrial design consultancies in Sydney Australia with an extensive in-house prototyping facility including a professional 3D printing capability. This advanced capability allows us to act quickly, shorten prototype lead-times and keep costs down.

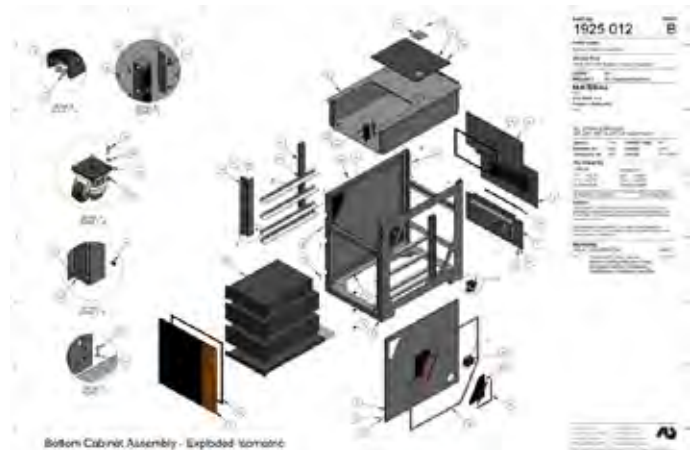
From simple form studies through to production accurate prototypes, 4design offer a high quality and comprehensive prototyping service.



Production Documentation

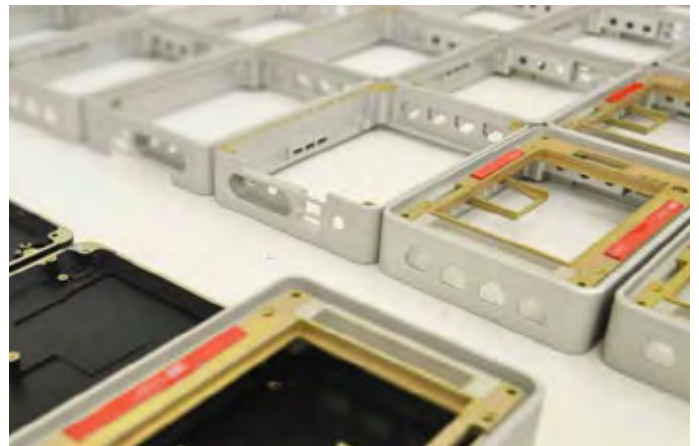
All products and their associated components require clear, concise specification in 2D CAD. Thorough documentation ensures parts and assemblies are made as per intent and within acceptable quality standards. Dimensions, finishes, materials and assembly processes are documented effectively.

4design produce production, assembly and specification documentation for every product.



Production Supply

4design have established a team of low and high volume production specialists across a range of different manufacturing processes. 4design specialise in producing parts in the 10 to 100K quantity range and producing parts at a competitive price point with very high quality. 4design offer our clients the very best 'turn key' product development solution.



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OUR AWARDS

4Design is a multi-award winning Sydney-based industrial design and product commercialisation firm. Our design agenda is simple: to visualise, engineer, prototype and manufacture cutting edge products that address our clients commercial requirements. Often innovative and sometimes unconventional, our products are always mindful of global design trends, human factors, manufacturability and most importantly, are appropriate to our clients needs.

Over the past 15 years, the firm has won over 50 Australian and International awards, including European Red Dot Awards, European IF Awards, a global INDEX award, many Australian Design Awards, the Powerhouse Museum Product of the Year, New Zealand Best Awards, the EMMA Innovation Award, and an Australian Packaging Award; positioning us as one of Australasia's leading firms. In fact on 2015 alone 4design were the leading industrial design team in Australia winning over 4 Australian Design Awards in the year.

Our experience includes working on a diverse range of products including medical devices, consumer products, head worn devices, audio equipment, complex rugged industrial equipment, safety products, consoles, handheld devices, EFTPOS equipment, intelligent automation equipment, telecommunications, sporting products, street furniture, computer hardware and foods packaging.

Additionally, this experience has established mature long term relationships with a range of manufacturers, including: injection moulders, CNC machinists, sheet-metal, die castors, electronic manufacturers, clean-room assembly, specialist components and many others, all with high and low volume production capacities.

Our in-house prototyping machine shop and high end 3D printer allows us to be intimately involved in the design process. This relationship between design and manufacture is integral to the 4DESIGN service and capability.



reddot design award



product
design
award



4DESIGN[®]

OUR EXPERIENCE

4DESIGN[®]

SEEING MACHINES
GUARDIAN

DRIVER FATIGUE SYSTEM

4design partnered closely with Seeing Machines to design and engineer an integrated driver safety system suitable for multiple industries. Using patented face and eye-tracking technology, The Guardian system detects the symptoms of fatigue and alerts drivers before an accident happens and lives are lost.

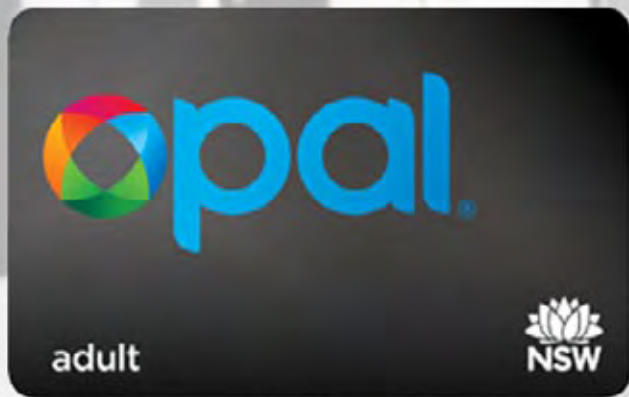
Winner of GOLD Design Award 2018



4DESIGN[®]

TRANSPORT FOR NSW
OPAL

OPAL CARD TICKETING



The Opal card ticketing readers have revolutionised the NSW public transport system by providing one unified payment platform. 4design were responsible for the design, engineering and prototyping for all ticketing machines across buses, trains and ferries.



OUTDOOR PLAYGROUND

4design developed the unique and patented Cube outdoor playground structure. This modular structure allows the customer to tailor make the playground to suit their site. This includes an interactive lighting system that responds to the touch and can be programmed with different lighting patterns.



CYBER SECURITY DEVICE

The SCS-200 is a small and lightweight cyber security device designed for a single user to simultaneously access a range of secure networks, from highly classified to unclassified, anywhere in the world using any IP network safely and securely.



REVOLUTIONARY STAGE LIGHTING

4design developed a range of beautiful, tough and functional stage lights. They incorporated custom lamp cooling details and quick change details for adjusting focus and swapping out shutters. The lights were a major leap forward in a ve



MOBILITY CONTROL

The REM-400 is a 'first to market' intuitive touch control device for wheel chairs and motorised scooters. Designed to comply with all medical device standards under ISO13485 it is truly a step forward in the device control industry. 4design are also a supplier of the frame components for these devices.



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SYDNEY STUDIO
L1 83-85 Foveaux St
Surry Hills NSW 2010
Australia

+612 9280 4454
info@4design.com.au
4design.com.au