

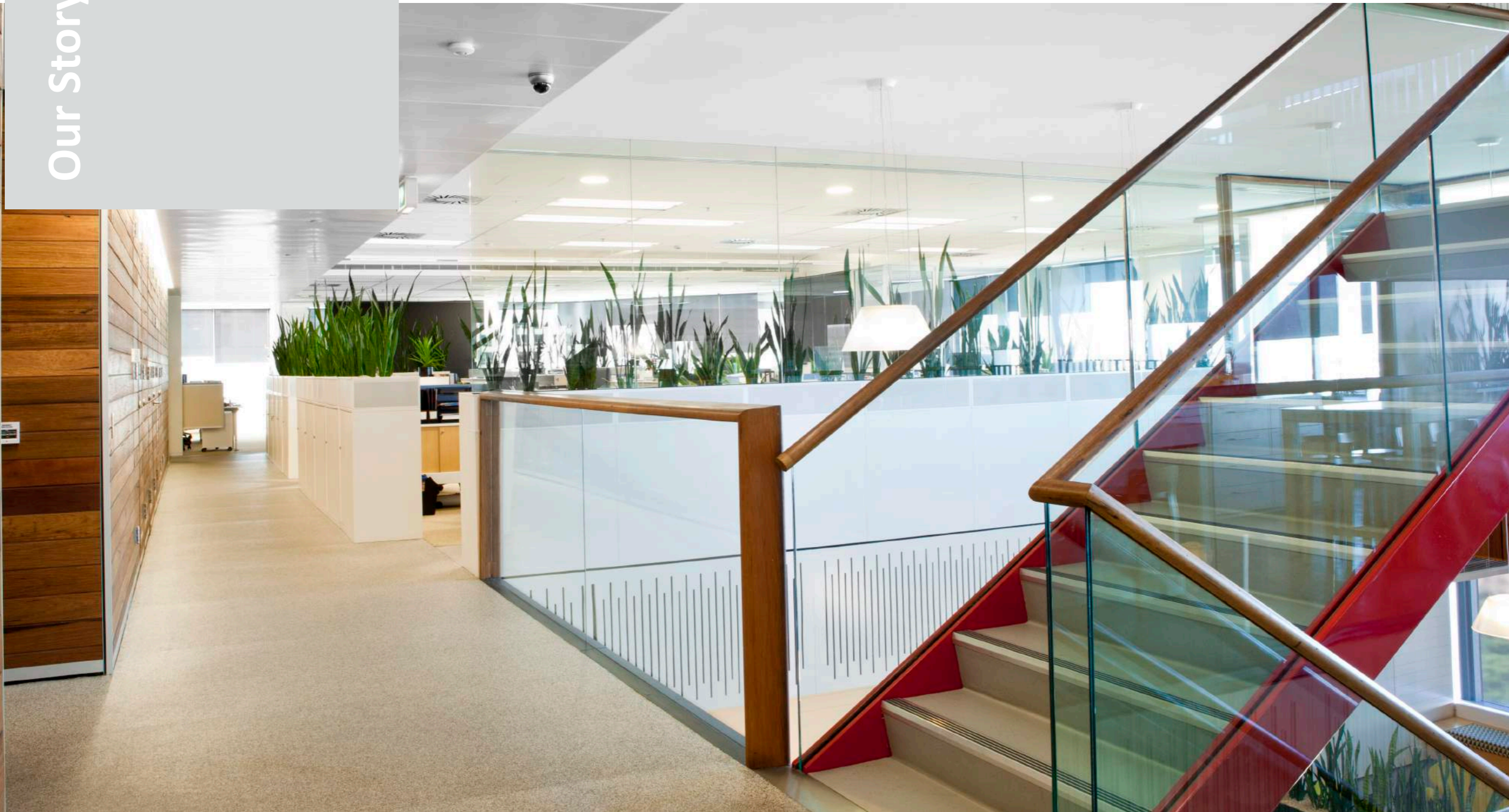


CiiLOCK Engineering

Hardware Innovation Specialists
Corporate Profile



Our Story



Based in Australia, CiiLOCK Engineering specialises in generating innovative solutions for the building, transport and furniture industries. With a dynamic team of creative and mechanical designers, we have the capacity to not only solve problems and revolutionise industries but can convert these solutions into commercially viable products.

Working from our Melbourne based state of the art facility, our team of dedicated professionals and

designers offer a superior design process. This allows our prospective clients and high profile partners to preview design solutions and prototypes at an industry leading pace.

We offer a variety of standard and custom components which include a wide range of precision bearing rollers, hinges, locks, plastic injection parts and various architectural components. Our products are supplied throughout Australia and internationally;

consequently they are designed to meet stringent international standards and are manufactured under strict quality control.

Our design capacity, industry leading development process and high standard of manufacturing is the key to our success. CiiLOCK continuously develops new products to both challenge the industry and push hardware limitations to new heights.

Our Beliefs

- Understanding customer needs
- Developing innovative solutions.
- Creating easy to use products.
- Testing product performance.
- Ensuring a high quality standard.
- Providing ongoing support.
- Executing this process diligently.

Select a Member

Benefits of choosing an Australian Windows Association (AWA) member



The Australian Window Association (AWA)

The Australian Window Association is made up of nearly 600 window manufacturers and industry suppliers throughout Australia. Members of the association have products tested to Australian Standard AS2047. You can be confident that products are made to withstand Australian conditions when purchasing from an AWA member. Don't risk costly replacement of non-compliant products that are not suited to Australian conditions.

- AWA members promote and advance the awareness of windows as a major architectural component in building design.
- Establish and self-regulate minimum benchmark standards throughout Australia. To facilitate the education and marketing of these standards throughout the industry and wider community.
- Members provide a national voice when representing the industry in discussion and negotiations with government, local authorities, business and trade associations and organisations, and the private sector.
- AWA members promote and encourage ethical conduct and sound business practice in the industry.
- The AWA has established strong links with the window industry in the United States of America, United Kingdom and New Zealand and regularly exchanges information on the latest developments affecting the industry.

Benefits of choosing an AWA member?

As a linked partner with an associated AWA member, you have access to many benefits; primarily being at the forefront of any industry changes both technical and regulatory.

Choosing to use an AWA member ensures each product selected is suited to the intended application.

- Members have access to the latest industry compliance, Australian Standards and technical information with an acute consumer and building industry awareness.
- Associated partners will have the guarantee that members have a comprehensive knowledge and insight to the window and door industry.

In addition, the AWA association provides industry specific window and door training to members to boost the level of competency within the industry.



Product Showcase Range

Housed under our state of the art facility in Melbourne Australia, CiiLOCK Engineering have steadily become a multi-award winning design developer of innovative and smart hardware for the building, transport and furniture industries.

Catering for residential and commercial applications, our product range spans across a diverse variety of forward thinking, uniquely designed products.

From off-the-shelf items to highly unique and custom engineered products, our team have your needs covered.

The design scope is further strengthened by our in-house engineering arm and comprehensive testing facility. With direct collaboration between

Quality from start to finish

the client and engineering team, extensive research and development will ensure each specific requirement is met.

As multi-award winning hardware and component specialists catering to aluminium, steel and timber projects, our vast experience and knowledge presents clients with the key to unlocking endless design possibilities.



Our Commitment to bring the best product



Award Winning Designs

Our multi-award winning design capacity stems from our dedication and endless endeavour to transform industry requirements into unique and practical solutions; highlighted across a stream of nationally and internationally recognised award organisations.

Striving to achieve only the best

Celebrated by Good Design Australia, Design 100 (Melbourne Design Awards) and the Australian Window Association (AWA), CiiLOCK's capability of challenging conventional design and pushing hardware limitations to new heights has passed an array of strict design values. Succeeding over a range of categories from innovation and durability, practicality and usage, to aesthetic and material design; each award win reflects our commitment to design excellence.



Most Innovative Component:
Highly Commended
2012

The esteemed AWA Design Awards celebrates and recognises excellence in workmanship, design, functionality and innovation in windows.

The Most Innovative Component Award recognises products which address and distinctly take into account growing issues that are present in today's market such as solar, thermal, noise, security, aesthetic, ergonomic and environmental factors, or products that uniquely address a market problem or need.

The Awards aim to increase the level of interest in windows, doors and fenestration products; celebrating and recognising excellence.



Good Design Award
Hardware and Building
2014

The Good Design Awards are an international design promotion organisation and Australia's longest standing national design award. With a proud heritage dating back to the Industrial Design Council of Australia (IDCA) established in 1958, the Australian Good Design Awards is recognised by the International Council of Societies of Industrial Design (ICSID) as Australia's peak design endorsement program.

Among the most respected and recognised international design endorsement symbols in the world, the Good Design® Selection and Good Design Award® trademarks are visible indicators of good design principles and an organisation's commitment to design excellence and connection to quality products and services.



Melbourne Design Awards - Silver
Product Design - Commercial & Industry
2014

As part of the global [city] Design Awards program, the Melbourne Design Awards celebrate creativity, courage and innovation in design.

This award celebrates creative and innovative design for either a component or overall product. Consideration is given to aspects that relate to human usage, aesthetics, selection of components and materials and the resolution of assembly, manufacturing and the overall function.

The Mother
Of All Rollers
Series



Industry Changing Innovations

Designed with an array of innovation truly reflecting the 'Be-All and End-All of Bi-Fold Systems,' the Titan Bi-Fold System has been carefully developed to blend form and function for easy installation and operation matched with clean and contemporary aesthetics.

A unique connection method (patent applied) and easy-to-use super fine height adjustment mechanism presents a smooth, simple and almost effortless installation process. And with an intelligent Twin-Point locking mechanism allowing the end-user to leave the key in the flush bolt or lock, there will be no more risk of damaged panels or bent keys.

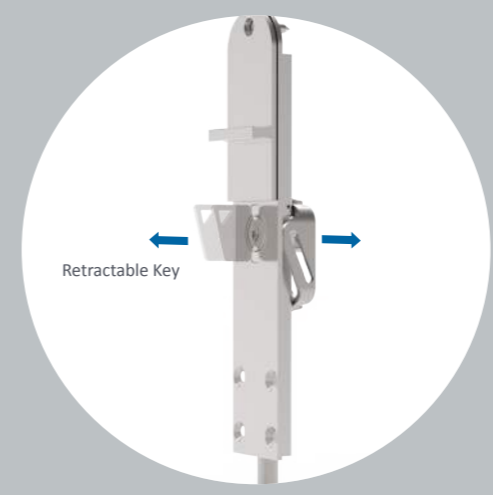
Elegantly finished leaving nothing to disturb the seamless aesthetics, the Titan System is truly the 'Be-All and End-All of Bi-Fold Systems' in every aspect.

TITAN The Be-All and End-All Of Bi-Fold Systems



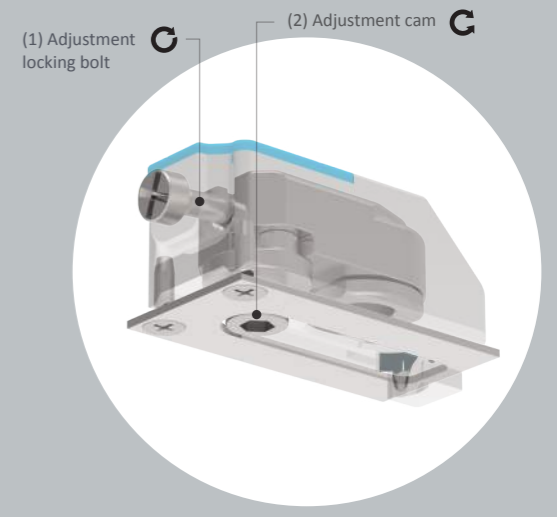
Smart Closing

Intelligent Locking: This intelligent feature helps to protect the door and key from being damaged without the requirement of having to remove the key from the lock. When the handle is operated (unlocking the door), the key is automatically retracted in to allow enough clearance between the folded panels.



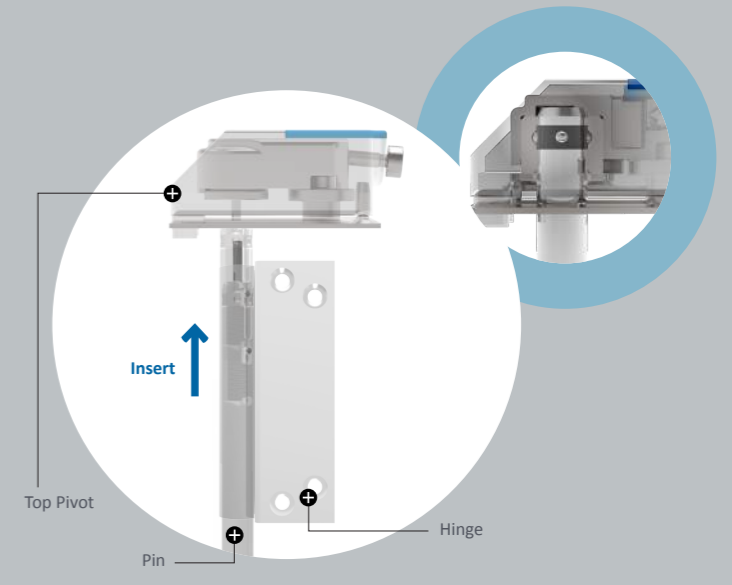
Simple, Easy Adjustment

Featuring a large adjustment scope the Titan Bi-Fold System accommodates for uneven building tolerances, by enabling super fine increments of adjustments achievable by the installer and homeowner via a 6mm and 10mm allen key. A perfect performing system is a turn away.



Innovative Installation

Fast Installation: Hassle-free installation is achieved via our super quick fix pin. Featuring an innovative ball bearings catch and release, the pin is simply inserted into the hole and locked into place by the ball bearing system - eliminating the need for fitting adjustments or extra locking.



Opportunities & Scope



We understand every project is unique, and with architectural trends incessantly shifting and evolving with the modernising landscape, it can be difficult to find that perfect piece of hardware to beautifully enhance and add the finishing touch to your project.

Whether it be a particular style handle or sliding door roller to support heavy glass panels, we specialise in turning your ideas and inspirations into uniquely crafted, high quality solutions.

With the capacity to design and supply specialised components from door rollers and trolleys, to hinges and locking systems, we ensure every last detail is tailored to exclusively suit your requirements.

Architects & Project Mangers

With exceptional experience across an array of industries including windows and doors, operable walls and tautliner curtains, our dedicated team of engineers have the capacity to create your ultimate solution intimately structured upon your specific needs and requirements.

From customised polymer components through to one-of-a-kind complex mechanical and mechatronic assemblies; if you have the concept, we can find your solution.

Guided by a flawless design, development and production process, we will bring your specialised and unique system to life to lead you a step beyond your competitors.

Leave the innovation to us!

System Designers & OEM Fabricators

Returning on site to fix issues caused by defective hardware can be frustrating and cause unnecessary delays between projects.

We can help you complete your project with confidence by developing customised hardware and components that not only meet the necessary engineering performance requirements, but are specifically tailored to suit your needs!

With a key focus on effortless installation and ease-of-use, we can develop designs that once installed, allow micro-level adjustment to offer you the ultimate freedom and flexibility to modify and seamlessly integrate with each individual application.

No two projects are identical, and by enabling the convenience of super fine and easily adjustable hardware, you can not only save valuable time, but focus on the next project with peace of mind.

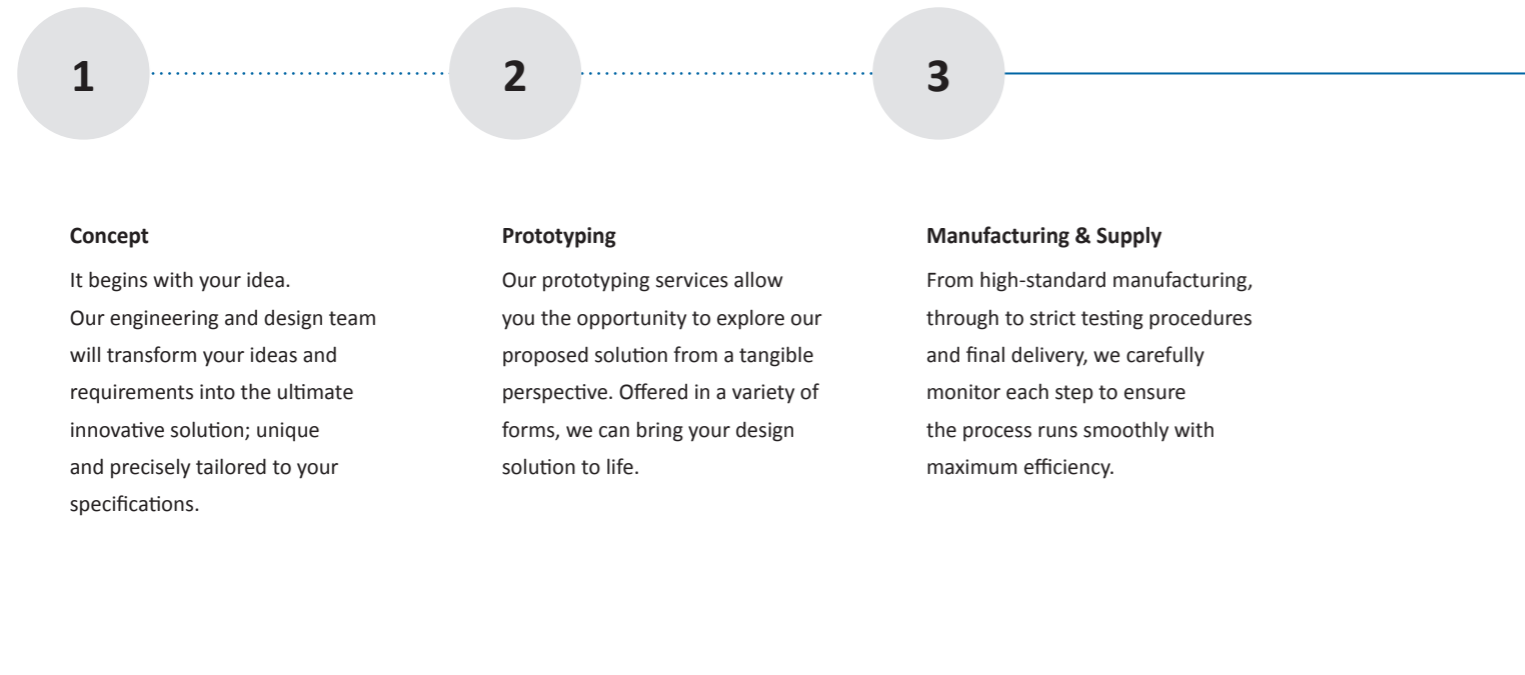
Fabricators, Installers & Fitters

We have the capacity to design and supply specialised components including:

- Handles
- Rollers and trolleys
- Hinges
- Locking systems
- Polymer components
- Mechanical and mechatronic assemblies

Design Hut

✓ **Engineering made easy.**
We have developed a simple, step-by-step process to highlight how we can create and bring to life your unique component.



1 Concept

It begins with your idea. Our engineering and design team will transform your ideas and requirements into the ultimate innovative solution; unique and precisely tailored to your specifications.

2 Prototyping

Our prototyping services allow you the opportunity to explore our proposed solution from a tangible perspective. Offered in a variety of forms, we can bring your design solution to life.

3 Manufacturing & Supply

From high-standard manufacturing, through to strict testing procedures and final delivery, we carefully monitor each step to ensure the process runs smoothly with maximum efficiency.

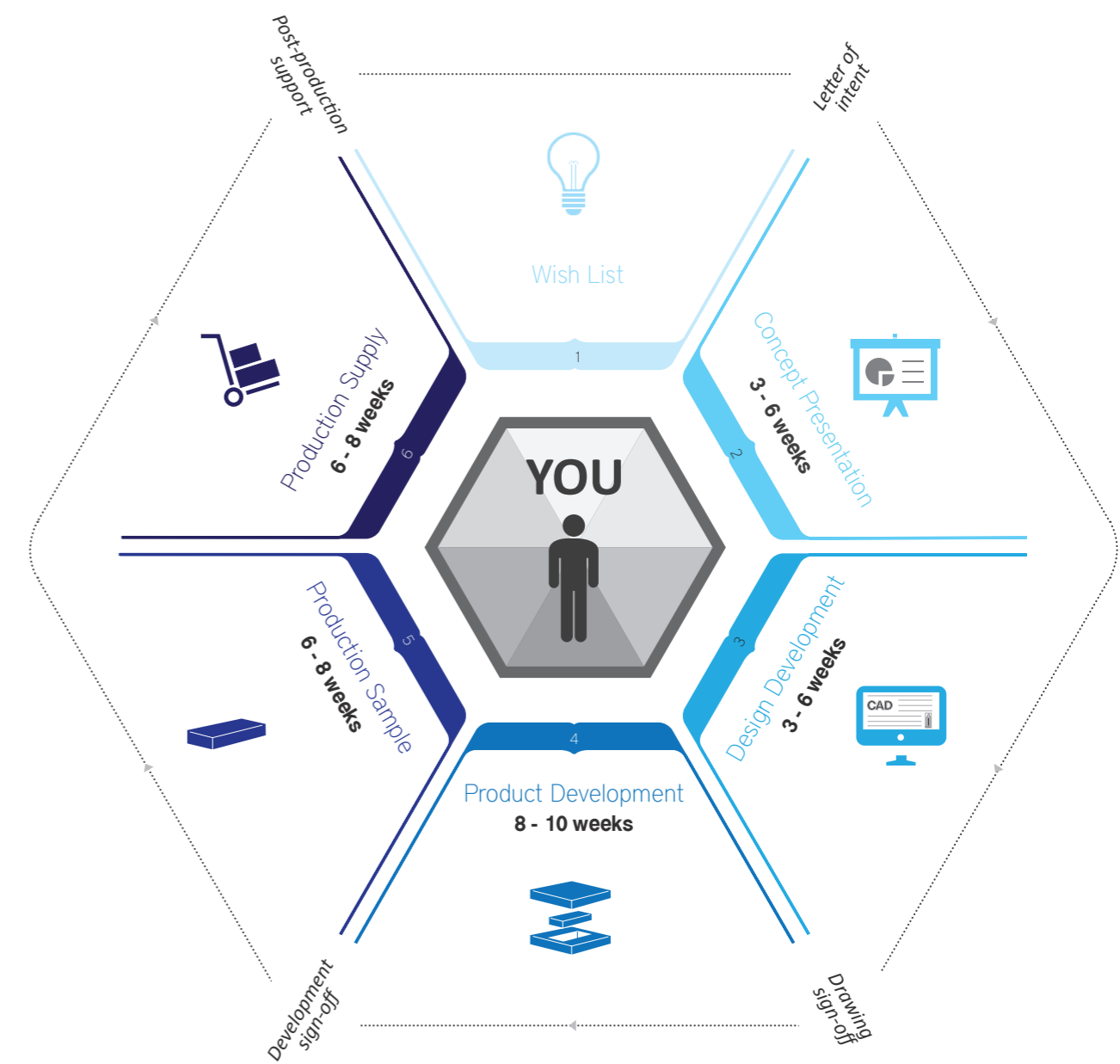
Testing

Prototype development and product testing are extremely crucial in developing and producing a well rounded and long lasting component. Each component undergoes in-depth testing and scrutinising with specially created scenarios to simulate real environment conditions, to ensure they meet and exceed the expectation of our clients.

How We Create

A dedicated project manager will lead you through every step of the way, conferring and ensuring an optimal design process.

Disclaimer: All allocated time frames are an approximation of the required time needed per step to develop a clear and refined product.



CiiLOCK Design & Manufacturing

✓ Sound industry knowledge is channelled through each product we create to ensure we reach the ideal hardware design solution.

From the initial concept and design through to final production we carefully monitor each step of the process. We control and guide each step in-depth to ensure the process runs as flawlessly as possible.

CiiLOCK Design Hut

For customers who want their product to stand out, or for those who simply cannot find the product that will perfectly suit their individual need, we have the capacity to create your unique and ideal solution.

Our team of dedicated engineers and designers provide an innovative design process that is second to none; with each design solution drafted in detailed drawings, 3D renders and simulations for your consideration.

Our services include:

- Gathering market information
- Identifying possible improvements to the industry standard
- Researching potential patent conflicts
- Developing innovative solutions to specified challenges
- Presenting detailed drawings, materials and cost estimates for the selected solution
- Presenting 3D renders and simulations of the selected solution
- Pitching these solutions to the relevant personnel

CiiLOCK Prototyping

Along with our engineering and design power, we also offer comprehensive prototyping services to bring your design solution to life. There are a wide range of options to choose from, starting from cost efficient 3D plastic models to help visualise how the product will function, through to production prototypes that can be used to pitch to prospective customers.

No matter the project, we have the prototyping solution for you.

- CNC Machining
- SLA & SLS 3D Printing
- EDM - wire eroding
- Laser Cutting
- Laser Sintering
- Low Volume Production
- Vacuum Casting
- Rapid Die Casting
- Investment Casting
- Finishing & Coatings

CiiLOCK Manufacturing

Our design and prototyping service is further complemented by our manufacturing arm. We are experienced in various manufacturing processes, paying a keen and close eye to the quality and consistency of CiiLOCK manufactured products.

Clients who manufacture with CiiLOCK gain access to high standard components and finishing with consistent quality. We are experienced in a diverse range of professional manufacturing services, some of which are listed below:

- Tool Making
- Extrusions
- Zinc Die-Casting
- Stainless Steel Investment Casting
- Forgings
- CNC Machining
- Injection Moulding
- Pressings
- Laser Cutting
- Finishing & Coatings
- Assembly and Packaging
- Quality Control
- Independent NATA approved testing



CiiLOCK Quality

Quality control is carried out through all stages of the product development, manufacturing and supply process, from design through to official delivery.

Our strict quality control procedures have enabled us to position ourselves as the 'preferred supplier' within our broad customer base, both nationally and internationally.

Above all, our team is dedicated to moving beyond expectations to ultimately deliver a VIP service to our valued clients.

1

QC in Design

Designs are reviewed through a series of processes including (but not limited to):

- Simulations
- FEA
- Accurate prototyping
- Scenario testing



2

QC of Off-tool Samples

Pre-mass production samples are evaluated through a series of processes including (but not limited to):

- Inspection
- Installation and operation
- Performance testing
- Scenario testing



3

QC of Production Components

All finished stock is closely scrutinised to ensure consistent quality. This is achieved through detailed inspection and regular performance testing.



4

Once the product has passed all stages of QC, it is officially approved and distributed – complete with the 'CiiLOCK Guarantee.'



We stringently check and review our products to provide the utmost quality and performance



Performance testing includes (where applicable):

- Cycle testing
- Corrosion and UV testing
- Structural and strength testing
- Testing to applicable standards and legislative requirements

Operating Environment

To ensure consistent and reliable performance, we design our products to operate under varied weather conditions, to ensure all functional components do not diminish as the environment changes.



CiiLOCK Test Facility

From the initial concept to final production, we understand the significance of each and every stage of the process; including the tests and trials in-between.

We believe a product's durability and lifespan is as important as in-depth research and development; so when it comes to completing the project, we deliver our clients the peace-of-mind that it will perform to and surpass expectations.

We take pride and great care to ensure each and every one of our products is able to succeed within all tested and applicable conditions. Through rigorous testing procedures simulating tough conditions and extreme environments, we can present highly durable solutions that can be counted on.

Testing under extreme conditions ensures optimal durability and performance

CiiLOCK Testing

With a wide range of in-depth testing available, we provide the peace of mind that every aspect of each product exceeds its intended function.

Specifically loaded and driven to trial the product to its limits, each test is performed under the watchful eye of our research and test facility staff to ensure its capability of succeeding the challenges at each set stage.

As part of our development process and where necessary, we test and conform to relevant Australian, New Zealand, British and European standards. We can also test and conform other standards as required.

Our areas of testing include (but not limited to):

- Static load
- Performance
- Cycle
- Corrosion
- Impact
- UV
- Installation and operation



**Our
Commitment**

Our commitment and promise to you

We have developed relations with many leading fabricators within the building, transport and furniture industries. We work with these partners to develop components and hardware for both custom propriety systems as well as industry standard systems. Clients who partner with us will gain access to the full force of our innovative power.

Our team of dedicated professionals, designers and engineers, working from our Melbourne (AUS) based state of the art facility, offer a superior design process. This process allows our prospective clients and high profile partners to preview design solutions and prototypes at an industry leading pace.

Our design capacity, industry leading development process and high standard manufacturing arm is the key to our success. Here at CiilOCK we are continuously developing new products to both challenges the industry and push hardware limitations to new heights.

To discuss these opportunities and hardware solutions
- Please contact us.

LET CiilOCK ENGINEERING FIND THE INNOVATIVE SOLUTION YOU ARE LOOKING FOR. JOIN US AND BE PART OF THE INNOVATIVE FUTURE!

Our Places

Australia

18 Technology Circuit
Hallam, Victoria 3803

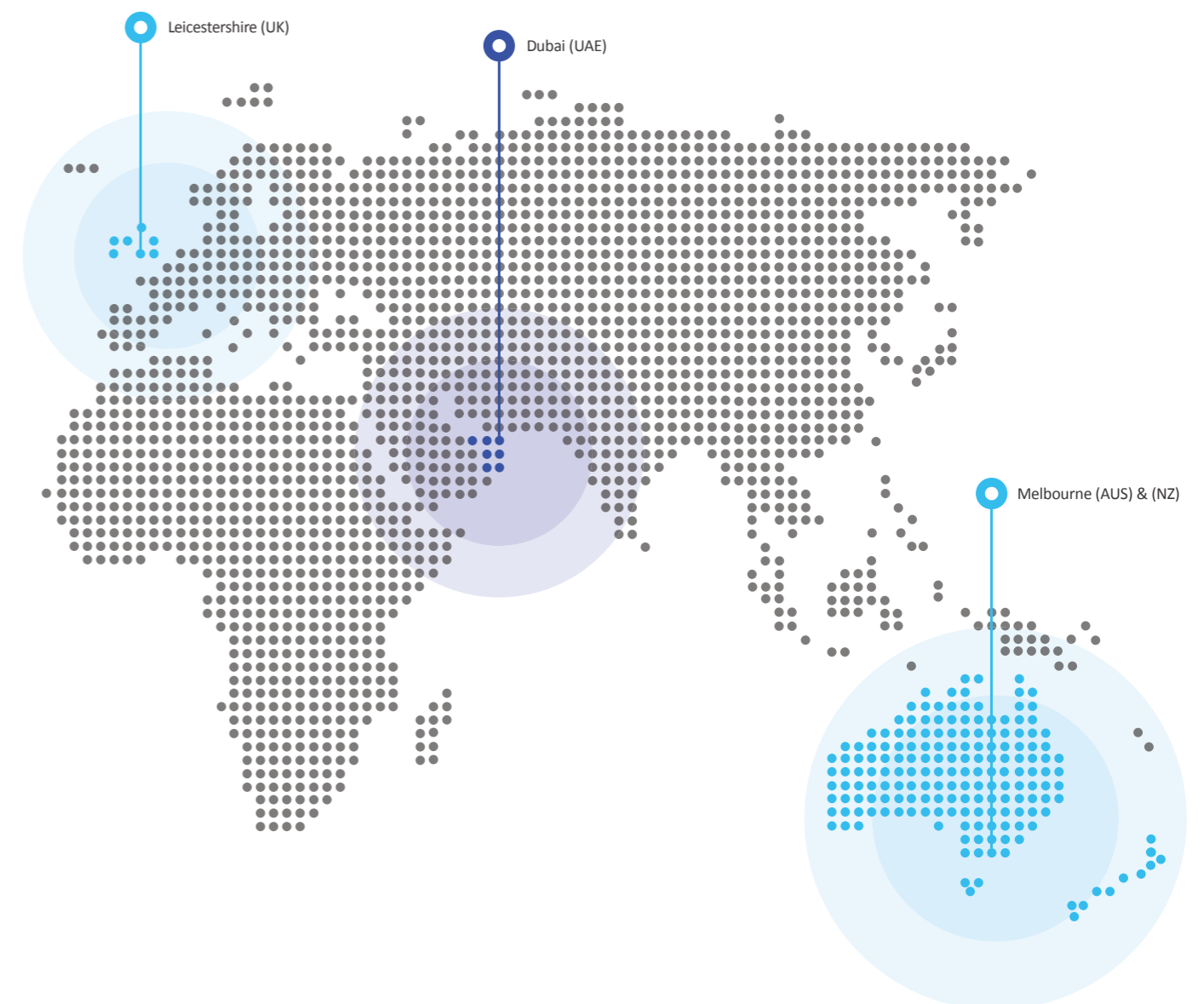
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Our **AWA** membership
is your **guarantee**
of **performance**.

