

ROLLING STORAGE

MOBILE SHELVING



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ROLLING STORAGE

DURABLE, SECURE AND TAILORED

With its high density design CSM's range of rolling storage solutions revolutionise the way you look at storage.

Offering significantly more storage capacity than standard shelving and taking up to 40% less floor space CSM's Rolling Storage Compactus' style units are designed for high density storage applications with high visibility of contents and can be manually, mechanically or electronically operated.

How much more space? When compared to static shelving space saving is 30% on small units and a huge 75% on large units. Compared to static cabinets the space saving is closer to 80%. Units can be lite track, fixed track or self based as well as SCEC endorsed Class B and Class C which are the popular choice for Australian Government agencies and high security installations.

CSM Rolling Storage compactus style units are constructed from high-strength Australian steel and engineered for durable performance. Bespoke solutions, graphic print wraps and perforations are available providing a tailored and refined design solution.

Guaranteed to perform, CSM Rolling Storage compactus style units are designed and manufactured in Sydney, Australia by CSM.



SUSTAINABILITY

MADE TO LAST A LIFETIME

At CSM, we understand the power of steel – the most-recycled material on earth. More steel is recycled every year than paper, glass, aluminium and plastic combined, meaning steel has the ability to leave a positive and long-lasting environmental impact. Our product stewardship commitment to zero-waste and non-toxic chemical use means that all CSM products are designed to be 100 per cent recycled. Everyday, we see the power of harnessing steel's recyclable potential to make real change. It gives us the backing to integrate each arm of our business to close the loop on waste.

The sustainable management of all on-site production, freight and installation processes underpin CSM's successful performance in frequent environmental audits. As part of CSM's corporate social responsibility commitments, we champion local talent, working with Indigenous artists and community workshops.

CSM and its suppliers proudly employ the following standards with integrity across arms of the business:

- Recycle all materials on site
- Employ Energy saving lighting
- Recycle all waste rain and grey water
- Eliminate water use from all production processes
- Operate under a zero-emission policy
- Substitute all harmful chemicals in the production processes with environmentally and worker friendly green options
- Remove single use packaging material from all processes.

Most importantly our commitment to high quality materials ensures our products are robust and made to last a lifetime.



CSM's lead-by-example approach has been awarded with GECA's Good Environmental Choice Label endorsement for the supply of eco-preferable products in Australia, Asia-Pacific and the Middle East.

CSM products carry accreditation under the ISO 9001 and ISO 14000 series.

CSM is also a member of the Green Building Council of Australia – part of the World Green Building Council – and has proudly participated in Australia's highest green star rated commercial fit-outs, supplying green rated storage systems.



ROLLING STORAGE

CUSTOMISED TO SUIT YOUR NEEDS

More than the traditional compactus, CSM Rolling Storage Collection is Australian designed, engineered and manufactured. Our range is fully modular and can easily be adapted to suit your needs.

Start with a selection for a wide range of standard sizes or customise to for individual applications.

With the integrated anti-tilt fail safe aluminium (not PVC) safety mechanism utilised on Lite and Self-Based units meets every OH&S requirement and makes the perfect solution for all floor surfaces regardless of variable levels.

The Rolling Storage range includes:

- Lite Track; a light weight high density storage system
- Self Based; a modular and freestanding unit
- Fixed Track; purpose built for multi-track and heavy use applications
- Powertrack™; ideal for multi-track and heavy duty applications

Self Based and Fixed Track units are available as manual operated or mechanically operated.

Powertrack™ the most technically advanced, electronically operated system available in Australia incorporates leading edge safety, superior security and full user flexibility.



Lite Track — Used on any floor surface without the need for fixings.



Self Based — Fully self-contained and can be easily relocated, extended, reconfigured, refurbished or up-cycled.



Fixed Track — Completely level access floor, free from any raised tracks.



Power Operated by Powertrack™ — Technically advanced, user friendly, electronically operated system.



Power Operated by Powertrack™ — Technically advanced, user



Tailored Solutions — Artefact & Collections



Tailored Solutions — Education



Tailored Solutions — Education



Tailored Storage Solutions — Conservation



Tailored Storage Solutions — Fine Art Collections

LITE TRACK

LIGHT WEIGHT HIGH DENSITY STORAGE SYSTEM



AGL Melbourne

Lite Track Rolling Storage was an instrumental element in satisfying the key requirement of paper reduction to ensure a green star rating for the renewable energy provider's Melbourne Facility.

Storage was heavily reduced, for this ABW environment from 1.3LM to 0.25LM per person.

Centrally located in a neighbourhood for team storage access the Light Track Rolling Storage units were allocated for each level allowing high density storage that doesn't consume a lot of floor space.



The CSM Lite Track system provides a revolutionary, light weight high density 'Compactus Style' storage system. Its low profile track can be placed on any floor surface without the need for fixings.

The light weight and feather glide mechanism provides superior ergonomics, user comfort and reduces floor point loads. Yet it is strong and sturdy, utilising the CSM engineered and Australian made Shelving System.

Its low profile track provides easy access to the mobile shelving bays especially when trolleys are used. This cost effective system is easy to install and a breeze to reconfigure, refurbish and up-cycle. It's the ideal high density storage for most general use office environments. The Lite Track mobile rolling storage system can be configured in either a conventional format or in Side to Side mode which provides better visibility of the contents.

Lite Track is especially suited where access floors are in use. Modular and freestanding, the CSM Lite Track Rolling Storage is fully self-contained and can be easily relocated, extended or reconfigured making it the perfect choice for today's contemporary office.

External end panels can be customised in a range of colours, perforations, graphic finishes, mirror finishes or in timber laminate to suit the office environment. All CSM Rolling Storage systems are designed, engineered and manufactured in Sydney, Australia.

Common Standard Dimensions

All dimensions are nominal — Custom dimensions and specifications are available.

Height	Width	Depth	
2000mm	750mm	300mm	Add 80mm for overall system height. Add 140mm for overall width. Recommended max overall unit length is 5000mm. Required minimum aisle space is 700mm. Refer to Technical Specification for detail.
2200mm	900mm	425mm	
2390mm	1050mm	460mm	
	1200mm	605mm	

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SELF BASED

MODULAR PLATFORM BASE



CSM’s Self Based Rolling Storage system, incorporates all the technical and user comfort features of the Lite Track along with a modular platform base.

Available in single or double widths, with a choice of manual or mechanically assisted operation. It’s easy to install on any floor surface, regardless of varying levels. The fully integrated platform floor allows for straight forward adjustment to cater for uneven floors.

Designed for higher use and heavier weights the platform base provides a level floor between the tracks minimising trip hazards and improving office safety.

Modular and freestanding, the CSM Self Based Rolling Storage is fully self contained and can be easily relocated, extended, reconfigured, refurbished or up-cycled making them the perfect choice for today’s contemporary office.

External end panels can be customised in a range of colours, perforations, graphic finishes, mirror finishes or in timber laminate to suit the office environment.

CSM Self Based units are available for authorised Government clients with Advanced levels of security with SCEC endorsed B and C Class locking systems

All CSM Rolling Storage systems are designed, engineered and manufactured in Sydney, Australia.

TAL Sydney

TAL Australia’s workplace was intelligently designed for simplicity, flexibility and collaboration. In response to this approach, CSM worked with the project team to provide a holistic storage solution to help realise this vision. Workspaces are flanked with Oxy Planter boxes and Evolution cabinets cultivating biodiversity and interior habitat.

Our self-based high density rolling storage unit was incorporated with a customised vinyl graphic treatment for greater visual dimension. CSM’s customised lockers were also integrated throughout the environment facilitating greater diversity of work settings throughout the lifecycle of the tenancy.



Common Standard Dimensions

All dimensions are nominal – Custom dimensions and specifications are available.

Height	Width	Depth	
2000mm	750mm	300mm	Add 140mm for overall width. Recommended max overall unit length is 5000mm. Required minimum aisle space is 700mm. Refer to Technical Specification for detail.
2200mm	900mm	425mm	
2390mm	1050mm	460mm	
	1200mm	605mm	

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FIXED TRACK

HIGH VOLUME AND HIGH ACCESS LOADS



Financial Institution Workplace Hub Sydney

This financial institution required a storage solution that could securely house smaller quantities of items whilst still leveraging from the benefit of high-density storage. Accessibility and function were the key for the highly engineered, purpose build solution. With weight and flexibility at the forefront, CSM's units are the perfect fusion of simplicity and efficiency – utilising the best of a compactus and tambour cabinets to create customised units perfect for high volume and high access loads. The benefit of CSM's diverse experience creating bespoke products particularly in the GLAM sectors helps the team to think differently and ensures their ability to customise each unit to each clients' requirements. No one else has been able to provide a Rolling Storage Solution that offers both high density and micro storage.



Engineered and designed for high volume and high access loads, CSM Fixed Track Rolling Storage Systems are purpose built for multi-track and heavy duty applications. As CSM designs and engineers fixed track units in house using sophisticated 3D modelling we work with you to customise units to the each your unique requirements. This wealth of experience over 40 years is essential particularly in storage of Cultural Collections, Libraries, Museum, Art, specimens and Artefacts. Available in manual, mechanical or electronic powered operation, each unit is purpose built and manufactured and installed by CSM to ISO 9001.

Manual units require minimal effort to move and are ideal for mid level weight loads or areas where a completely level access floor is required free from any raised tracks. This is particularly important consideration for DDA compliance or trolley access is required for sensitive and fragile Specimens, Library book storage, Museum, artefacts, Cultural Collections and artwork. Units that are particularly large or used to store heavy items often require mechanical or electronic operation. Multi-track units over 2400 mm wide, even in an office environment should have mechanical drive on multiple tracks for longevity, ease of use and operator safety.

Bolted to the floor and grouted for support the tracks incorporate anti-tilt safety within the guide wheel channel. Ramps and structural infill floors can be designed to be full Disability Discrimination Act (DDA) compliant which further enhances the system, making it perfect for high density storage for the modern office, back of house applications or storage of cultural collections. Level structural floors and ramps allow client specified floor coverings to seamlessly integrate units into any environment. Tracks may also be recessed into floors during the building phase offering a completely level floor utilising the floor covering. This is especially important for cultural collections and sensitive specimen storage to provide a complete level surface for trolleys and for cleaning or pest control. Unlike other systems, CSM Fixed Track ramps are designed within the foot print of the bays preventing trip hazards and providing additional safety.

Common Standard Dimensions

All dimensions are nominal – Custom dimensions and specifications are available.

Height	Width	Depth	
2000mm	750mm	300mm	No maximum length. Maximum width approximately 6000mm (over 6000mm recommend Electronic) Add 170mm for overall system height (including track and structural floor). Mechanical Assist: Add 215mm for overall system width including Comfort-Drive Wheel.
2200mm	900mm	425mm	
2390mm	1050mm	460mm	
	1200mm	605mm	

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POWERTRACK™

POWER OPERATED, MULTI-TRACK AND HEAVY DUTY



Lionel Bowen Library Randwick

CSM were engaged to remove the entire existing compactus unit comprising 18 moving rows and one central pillar with floor rails and supply and install a new CSM fixed track power operated compactus storage unit. CSM were the successful tenderer due to their knowledge and expertise in dismantling an existing unit and installing a CSM product that was the best solution for this project, all within a public space, minimising the impact on the staff and library patrons. The new power operated unit includes 238 bays in total, providing 114 liner metres of shelving. The dual drive 4 track system and Logic Plus Mobile Controller System ensures seamless operation and the decorative vinyl panels, pays homage to the rich history of the Randwick City Council electorate.



CSM Powertrack™ Rolling Storage (mobile shelving) system is the most technically advanced, electronically operated system available in Australia.

CSM Powertrack™ is simple to use, straight forward to program and incorporates leading edge safety, superior security and full user flexibility. Incorporating as standard Passive Safety, Motor Current Sensing resistance monitoring, and optical sensor both users and valuable contents are kept safe at all times. Aisles are kept secure and user access rights may be allocated for individual areas providing the highest level of flexibility for different user groups. Energy efficiency is a key element and with the addition of optional aisle lighting which is only illuminated when an aisle is accessed.

Engineered and designed for high volume and high access loads CSM Powertrack™ is ideal for multi-track and heavy duty applications. Each unit is uniquely designed by CSM for the client's application. Bolted to the floor and grouted for support the tracks incorporate anti-tilt safety within the guide wheel channel. The Disability Discrimination Act (DDA) compliant ramps and infill floors further enhances the system, making it perfect for high density storage for the modern office, back of house applications or storage of cultural collections. Level floors and ramps allow client specified floor coverings to seamlessly integrate units into any environment.

Tracks may also be recessed into floors during the building phase offering a completely level floor utilising the floor covering. This is especially important for cultural collections and sensitive specimen storage to provide a complete level surface for trolleys and for cleaning or pest control.

Common Standard Dimensions

All dimensions are nominal — Custom dimensions and specifications are available.

Height	Width	Depth	
2000mm	750mm	300mm	No maximum Length. No Maximum Width. Add 170mm for overall system height (including track and structural floor). Add 130mm for overall system width inc touch Required min. aisle space is 700mm
2200mm	900mm	425mm	
2390mm	1050mm	460mm	
	1200mm	605mm	

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SCEC ENDORSED B & C STORAGE

MANUAL OR MECHANICALLY ASSISTED



The Security Construction and Security Committee is a standing inter-departmental committee responsible for the evaluation of security equipment for use by Australian Government Departments and agencies. It is managed by ASIO’s T4 Protective Security.

CSM manufactured SCEC Endorsed B and C Class Rolling Storage systems incorporate all the technical features of standard Self Based Rolling Storage Units with B and C class security locking and construction.

Available in single or double widths, with a choice of manual or mechanically assisted operation. The fully adjustable platform floor allows for easy adjustment to cater for uneven floors.

Designed for higher use and heavier weights the platform base provides a level floor between the tracks minimising trip hazards and improving office safety. A key design criteria!

Modular and freestanding, the CSM Self Based Rolling Storage is fully self-contained and can be easily relocated, extended or reconfigured making them the perfect choice for today’s contemporary office.



Image is indicative only — standard Unit shown. Actual unit incorporates B or C Class requirements and locking.

Common Standard Dimensions

All dimensions are nominal — Custom dimensions and specifications are available.

Height	Width	Depth	
2200mm	900mm 1200mm	425mm	Add 140mm for overall system height. Add 140mm for overall system width inc handle. Recommended max unit length is 9000mm. Required minimum aisle space is 700mm (cannot exceed 950mm).

[DOWNLOAD TECHNICAL SPECIFICATIONS](#)

ACCESSORIES

CUSTOMISED SOLUTIONS

For added functionality, CSM offer a comprehensive range of accessories including:

- Locking
- Art Storage Tills
- Storage Pods
- Slotted shelves / Plain shelves
- Roll Out Drawers
- Roll Out File Frames
- Rollout Reference Shelves
- Adjustable Shelf Dividers
- Coat Rails
- Mobile Caster Kits
- Clothes and Uniform Storage
- Paper management / Pigeon Hole units
- Accufile File and Labels
- Paper Management Systems
- Slotted shelves / Plain shelves
- Heavy Duty shelves and shelf clips.
- File / book / material dividers
- Reference Shelves
- Systems Drawers
- Rollout suspension file frames
- Extra deep bay pass through



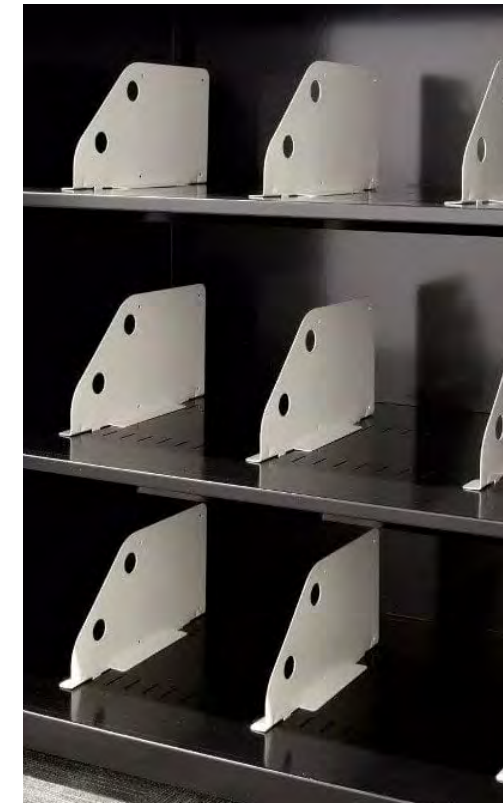
Roll-out Suspension File Frame



Roll-out Reference Shelf



Art Storage Trays



Adjustable Shelf Dividers



Adjustable Shelves



Coat Rails



Locking Safety Drive Handle



Roll Out Drawers



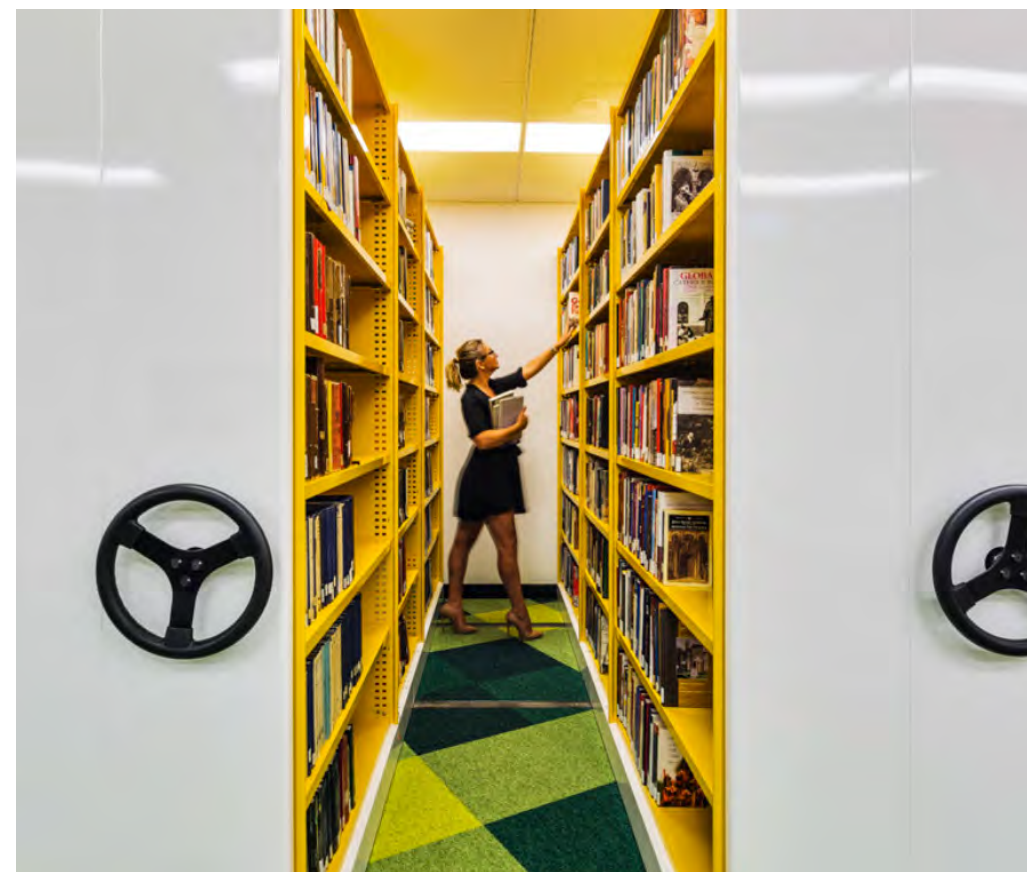
Storage Pods



Vinyl Design End Panels



Art Graphics



Internal Powercoat Finish



Mirrored End Panels

Decorative Finishes

TAILORED STORAGE SOLUTIONS

CSM's tailored storage solution are constructed from high-strength 1mm steel and engineered for durable performance.

All of our products are locally manufacturing offering a wide range of custom options available for individual applications including a range of decorative end dress panels cover the entry side to provide a unique design solution including:

- Art Graphics
- Perforations
- Laminate
- Timber Look End Panels
- Mirrored End Panels
- Vinyl Design End Panels
- Hundreds of Powder Coat Colour Finishes for both internal and external treatment.

CASE STUDY — CONSERVATION

NATIONAL HERBARIUM OF NSW / VALUABLE COLLECTIONS

As Australia's oldest scientific institution, Australian Botanic Gardens have spent over 200 years discovering, researching and protecting plants. In this challenging new era of climate change, it is imperative now more than ever, that institutions like this understand the impacts to our natural environment and drive effective conservation solutions.

The collections of the National Herbarium of New South Wales date from 1770, made by botanists Sir Joseph Banks and Daniel Solander on Captain James Cook's first voyage to the Pacific. By 1900, the Herbarium contained 15,000 named species – almost all the species then known in NSW.

To safeguard the existing and growing collection of over 1.4 million botanical specimens with a value of over \$289 million, the Australian Botanic Gardens have recently completed a brand new National Herbarium of NSW at the Australian Botanic Garden, Mount Annan.

The new state-of-the-art Herbarium facility will join the award-winning Australian PlantBank at Mount Annan, to ensure the survival of plants and build more resilient ecosystems for future generations.

The new Herbarium along with all of the Garden's scientific facilities, programs and living collections at the Royal Botanic Garden Sydney, Australian Botanic Garden and Blue Mountains Botanic Garden are also being united under the new Australian Institute of Botanical Science.

Inspired by the waratah seed pod of New South Wales's floral emblem, The Institute is one of the nation's premier botanical research organisations, advancing fundamental knowledge of flora and driving effective conservation solutions to ensure the survival of plants, and all life that depends on them.

Designed by Architectus with Richard Leplastrier and Craig Burton, in conjunction with FDC Construction & Fitout a key feature of the new Herbarium is five protective vaults provided by CSM made of thermal mass materials to shield the collection from bushfires and extreme temperature events.

A key design priority for the National Herbarium of NSW is to provide precise environmental conditions with strict temperature and humidity controls to protect the precious botanical specimens from degradation and insect



infestation. In addition to this, the new state-of-the-art facility must be engaging to the public and provide a functional and inspiring place to work. Establishing a harmonious balance between these priorities presented a unique challenge.

A significant first-step to move the Herbarium is the digitisation of the herbarium collection which began on 30 April, 2019 at the Royal Botanic Garden Sydney. This is the largest herbarium imaging project in the southern hemisphere where over 1.4 million specimens will become high-resolution digital images.

CSM's Cultural Collections specialists were proud to partner with the architectural and construction team to support the holistic storage solutions strategy for the project. Starting with the cabinetry works required during the construction period to facilitate the move the Botanical Gardens to the

new Herbarium, Mt Annan including purpose-built vaults to safely house the precious specimens.

CSM's bespoke specialist solution included the delivery of 900 cabinets that help to facilitate a stable microclimate control as well being fully sealed so that pests cannot gain entry and that the specimens cannot be wet in the event of fire or floods.

The addition of five protective Rolling Storage (compactus) Units were also utilised in the vaults. With precisely controlled environmental conditions are assisted by the building's elegant, long span "fly-roof" to shield the precious collection from insects, mould, bushfires and other extreme weather conditions due to climate change.



The bespoke CSM vaults contain over 1 million pressed, dried plant specimens. They are arranged in taxonomic order which means plant families that are closely related are grouped together in a vault.

The vaults are temperature and humidity controlled – 16 degrees C and 45-50% relative humidity. This keeps the collections safe from pests and mould which are the biggest threats to them. They are also fireproof which was an important consideration for a proximity such Mount Annan that can be very dry and hot in summer.

With each cabinet being over 2200mm tall, 1400mm wide and 500mm deep and weighing in at more than 200 KG strategic installation of the vaults was a critical part of the project.

Not only to accommodate the builder's program, COVID safe measures and after-hours access but ensuring the protection of the rammed earth corridors was essential.

The CSM cabinets allow for fixed and removable shelves which are safely secured and must allow appropriate air circulation within the cabinet for environmental control and fumigation.

Doors and cabinets incorporate a water shield to protect from fire services and condensation. All doors incorporate a closed cell gasket with memory retention to enable the stable microclimate and protection from insects and water incursion.

Across Australia, CSM's Cultural Collections specialists have worked with famed State and National museums, galleries and organisations as well as their equally important regional outposts, promoting smarter, future-forward and safer storage solutions. These include the Art Gallery of New South Wales, the Australian Museum and the State Library of New South Wales.

From custom solutions for unique and priceless artefacts of all scales, to a comprehensive fumigation, contaminant and climate-controlled storage system, CSM has been at the forefront of finding answers to protect and preserve Australia's invaluable cultural and scientific possessions.



CASE STUDY — EDUCATION

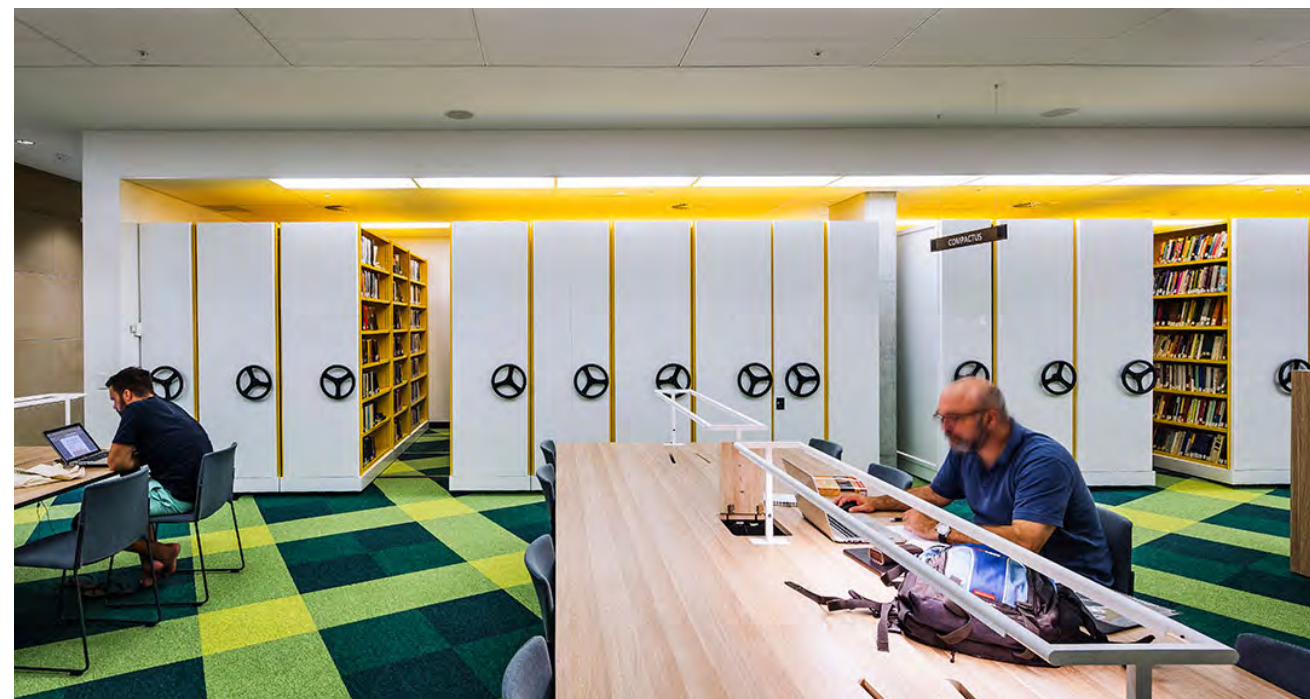
MOORE COLLEGE / LIBRARY

Since 1856 the academic institution, Moore College has been providing in-depth theological training and is a hub for international learning. As the College expands so too has the growth of its library, which is the largest theological library in the Southern Hemisphere.

Located on King Street, Newtown the library is the heart of the College.

The brief was to provide accessible storage, with the ability to accommodate an increasing collection. The new library has the capacity to hold 90,000 titles and will house a Digital repository of over 5,500 items. The purpose built space was designed to showcase the latest in innovative design. Dark spaces were redesigned to give way to natural light, small uninviting study areas were replaced by larger and versatile spaces that accommodate more students. Dedicated areas were created within the library where students can access technology, reference materials including multi-media and audio-visual equipment and be supported by staff.

Partnering with Kane Constructions, and designers Geyer and Allen Jack+Cottier Architects, CSM successfully delivered the focal high density Rolling Storage system, together with the Library Shelving. Students and visitors are inspired by the Mechanically Assisted Fixed Track Rolling Storage Unit, which was finished in Citrus Yellow Gold Gloss.



CASE STUDY — MUSEUM

CHAU CHAK WING MUSEUM / ART, SCIENCE, HISTORY & ANCIENT CULTURES

The Chau Chak Wing Museum holds the University of Sydney's rich and diverse collections of artefacts, including: pottery, rare books, manuscripts, Solander boxes, Indigenous art and precious textiles, Papuan and Solomon Island fabrics and organic textiles, weaponry and other implements.

As one of the core museums for Australia's first and oldest university, Chau Chak Wing Museum required a comprehensive storage solution for its many and varied collections.

CSM designed and manufactured specialised Rolling Storage, Racking, Systems Shelving, Till Cabinets and Solander Box Storage.

Design sensitivity to protection needs for this material, type and dimension diversity, in addition to the safe handling of large and often heavy items, saw CSM's fabrication and installation teams pursue bespoke design solutions providing a universal storage and operation system unique to the museum's diverse holdings.

"There is a balance of aspirations, technical challenges and budget realities, but we achieved all the necessary operational capabilities of a much larger institution – secure loading dock, quarantine facility, handling and storage and reliable environmental control."

– Graeme Dix & Kiong Lee, JPW



OUR STORY

ABOUT CSM

65 years of experience means that CSM is a brand that Australia trusts. We take pride in our long term relationships and work with the country's leading corporate and professional services, government bodies, education providers and cultural organisations – designing products to support innovative Australians and delivering storage solutions engineered to perform today and well into the future.

We started as a design focused business in the 1950s, and we continue to honour the ethos with a commitment to Australia's manufacturing sector – becoming a leading manufacturer of corporate, institutional, campus and conservation storage solutions. We pioneered computer controlled machinery in the 70s and remain at the forefront of Australia's fully automated fabrication facilities.

As a proudly Australian-made, owned and operated company, CSM recognises the value of concentrating operations at a local level.

Recognised for our work in steel, we have become Australia's go-to leading specialists in workplace storage design, engineering and manufacturing solutions tailored to specific design outcomes and budgets, delivered nationally under competitive lead times.

By keeping our design, engineering and manufacture capabilities under one roof, CSM's vertically integrated business model allows for:

- Reduced lead times
- Rapid prototyping capacity
- Exhaustive custom offering
- New product development built to client specification



“Over the past 65 years, we’ve built trust with government and corporate clients along with a demonstrated ability to deliver large scale projects within the property industry. We are contract suppliers for the government with 25+ years of successful delivery for the education and public sectors.

Renowned for our work with high quality steel, we are proud to be Australia's specialised Architectural Storage Solutions provider utilising the power of steel – the most-recycled material on earth and leaving a positive and long lasting environmental impact.

Our success has been underpinned by our commitment to continuous improvement through innovation and technology.”

– Mark Durrington & Peter Letton, Co Managing Directors



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