



Shed No 2, Survey No 55/P-25, Bellahalli Village,
Yelahanka Post, Bangalore - 560064. Karnataka, INDIA.



info@racksandrollers.com



+91 9019 11 33 55

www.racksandrollers.com

ALL IMAGES USED HEREIN
ARE FOR REPRESENTATION PURPOSES ONLY.

© 2019. RACKS AND ROLLERS.

NEXT GEN SHELVING FOR ROBUST OPERATIONS



**RACKS &
ROLLERS**
STORAGE TECHNOLOGIES AND AUTOMATION

ABOUT US

Racks and Rollers is one of the most influential leaders and a coveted name in the Storage, Warehousing and Automation industry. Following our passion for developing state of the art, economically efficient storage systems for the past three decades, our company has gathered a pool of extensive experience, expert staff and valuable knowledge by challenging ourselves with some of the most demanding projects across the world.

QHSE STANDARDS

QUALITY MANAGEMENT



ISO 9001:2015

HEALTH & SAFETY



OHSAS 18001:2007

ENVIRONMENTAL



ISO 14001:2015

DESIGN STANDARDS

OUR DESIGN STANDARDS ARE COMPLIANT WITH EN 15512



RMI
RACK MANUFACTURERS INSTITUTE

sema

Leading consultant in warehousing, shelving, racking, structural works, automation and avant-garde stainless steel works.

Offices setup across India & the Middle East.

Seamless Integration of Sales, Design, Production and Commissioning.

Hard-Set focus on Growth and Development.

Team includes experts specialized in Supply Chain Optimization & Business Performance Development.

Projects Backed by thorough research & comprehensive analysis.

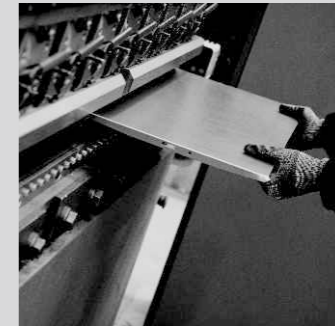
Projects Executed Pan India, Middle East, Turkey, Russia, South East Asia, South Africa and more.

Industries Served: Automotive, Aerospace, Food & Beverage, Cold Storage, Oil & Gas, Chemicals, Pharmaceutical, Fragrance & Incense, Electronics, Retail & E-Commerce, Textile & Apparel, FMCG, Manufacturing, Education.

SHELVING SOLUTIONS

Our world-class, holistic shelving solutions are recommended and supplied to clients based exclusively on their unique requirements. We provide single tier and multi-tier shelving systems in case of goods stored in cartons, bins, boxes, totes etc.

After an extensive research into the client's business, product and the task at hand, a suitable shelving system is recommended that seamlessly fits all their necessary requirements and integrates harmoniously with their overall organisational perspective.



SLOTTED ANGLE SHELVING



PROS

- Simple
- Easy to assemble and dismantle
- Versatile like no other system
- Super economical

CONS

- Not very high-density storage



Slotted Angle Shelving is the one of the most versatile and low-cost storage solution for light goods ever made. The shelves can be totally dismantled and reassembled easily with the use of just a manual wrench. **The system is highly durable, strong, adjustable and comes in various lengths, heights, and combinations.** Its height and length can be easily expanded or contracted. With around 300 kg of load bearing capacity, slotted angle shelves are ideal for those looking for simple and economical storage systems.

Using the multiple bolts and combinations, these shelves can be adjusted manually for any goods of any kind of size, length and height. They can be even turned into tables or benches. The system comes with many accessories that further add to your comfort and ease of using the shelves. Doors, drawers and dividers can be installed to customize the shelves according to your personal use.

SAS system contains of perforated angles and shelves that are bolted together. Workshops, stores, warehouses, offices, shops etc. use this type of storage for light and medium duty goods. You can also find these shelves in libraries. It is a reasonable, sturdy, flexible and widely used system with numerous applications.

The best feature of Slotted Angle Shelving is that it is fairly low cost yet super rich in quality. The biggest quality that it possesses is its simplicity. It also saves a lot of space due to its highly adjustable nature that fits almost everywhere. Extra shelves can be added for more storage space. Moreover, intermediate aisles & gangways can be introduced to expand the utilization of space in the warehouse.

MAIN FEATURES

- **EXTREMELY ADJUSTABLE**
Shelf Height is adjustable to a high extent unlike any other system.
- **SPACE SAVING**
Its highly adjustable structure comes with accessories to help it fit anywhere thus saving significant space.
- **MANUAL LOADING / UNLOADING**
Designed for manual storage/picking of light goods.
- **DURABLE AND STRONG**
Slotted Angle Shelves are sturdy, durable and super rich in quality.

BEST SUITED FOR

Warehouses with light goods that can be manually stored.



NOT RECOMMENDED FOR

Warehouses with palletized loads.



LONG SPAN SHELVING



PROS

- Maximum storage capacity
- Ideal for bulky goods
- Highly accessible stock
- Manual storing/picking
- Load levels can be adjusted

CONS

- Sensitive to weight; cannot be used for storing weights heavier than maximum specified load bearing capacity.



Long Span Shelving is a perfect medium for storing medium and heavy loads. **With a high density storage capacity, all the stock in Long Span Shelving is exposed to direct access.** You can use it to store packets, archive files, totes, boxes or loose goods. This storage system can be found mostly in garages, offices, stores and of course, warehouses. Being a highly versatile system, it can bear various intensities of loads.

Long Span Shelving comes in beams, shelves and a combination structure. The beams are horizontal, adaptable and are connected to the upright column. The beams are what support the shelves and loads. The beams are the most important part in this system as they provide rigidity to the whole structure. They are also adjustable at a pitch of 50 mm.

Very easy to install, Long Span Shelving is portable, flexible and adjustable to a great extent. The shelves can be up to 15 m high with the possibility of installing walkways to access the upper levels. In this case, the structure is known as multi-tier shelving. The levels of the shelves can also be conveniently adjusted. **The numerous accessories that come with this system is what makes it a favourite storage solution for a wide variety of goods.**

Long Span allows for manual product storing and picking on lower levels. Ideal for storing bulky or long goods, this storage system comes in a wide array of height, width and depth to adjust to different space configurations. It is an enhanced version of Slotted Angle Shelving with longer spans, more depths & higher load capacities.

MAIN FEATURES

- **MEDIUM AND HEAVY STORAGE**
Made for storing medium and heavy loads with components to make the system adapt to your needs.
- **SUPER VERSATILE**
Adjustable for different load capacities and intensities.
- **CUSTOMIZABLE**
Shelves can be up to 15 m high with the option of making it a multi-tier storage.
- **EXCESSIVELY PORTABLE**
It is easy-to-assemble and dismantle which gives it super portable qualities.

BEST SUITED FOR

Medium and heavy loads with high turnover and loads that require manual handling.



NOT RECOMMENDED FOR

Light duty loads which are smaller in size.



BOLTS FREE SHELVING



PROS

- Inexpensive
- Manual storing/picking
- Easy to assemble
- Versatile use
- Easily accessible stock

CONS

- Not ideal for heavy loads



Bolts Free Shelving is by far the best way to store anything and everything from your warehouse to your home. Ideally made for light duty products, this is a highly versatile storage solution that can fit in any type of space setting.

From light duty to medium duty loads, Bolts Free Shelving is available for all types of load storage requirements. Unlike long span shelving, this system does not require beams but instead consists of high-quality clips or fasteners that hold the shelves in place, which is why it is known as Bolts Free Shelving. The clips in the shelves are specially designed to provide stability to the structure and enhance the load bearing capacity by transferring the load to the upright columns.

*This type of shelving is **very economical and probably the best cost-efficient solution available for a wide spectrum of usage**. Bolts Free shelving is also super easy to adjust. Multi-tier shelving can be created to utilize the unused vertical space and further increase the cost efficiency. Raised walkways can be easily installed and used to access the shelves placed at heights.*

The bolt-less configuration ensures that the system is quick and easy to assemble within minutes. The galvanised finish provides great protection from corrosion of the structure.

*Bolts Free Shelving is undoubtedly an **easy, simple, modular solution designed for industrial, commercial and personal use**. It is also the most popular type of shelving system used extensively all over the world. It is also used to display items in some cases.*

MAIN FEATURES

- **ALL-ENCOMPASSING STORAGE**
All small and medium sized products can be stored in Bolts Free Shelving.
- **LOW COST**
Simple construction makes it a cost-effective solution.
- **STRONG AND DURABLE**
The Structure is simple, but very strong and durable.
- **INTEGRATION**
Can be used in conjunction with multi-tier shelving structures.

BEST SUITED FOR

Economical, simple storage of Light duty loads that require manual handling.



NOT RECOMMENDED FOR

Heavy duty loads.



MULTI-TIER SHELVING

PROS

- Inexpensive
- Manual storage/picking
- Versatile storage (pallets & non-pallets)
- Excellent use of space at heights
- Direct access to all stock

CONS

- Comparatively expensive than long span shelving

A multi-tier shelving is a multi floor shelving that eliminates the need of a structural floor. It increases floor space and optimizes the storage capacity by utilizing the height of the building in concern. **This shelving system provides a perfect solution to limited floor space.** In normal circumstances, the spaces which are rendered useless are specifically used in this case, thereby amplifying the storage capacity.

A multi-tier shelving increase the storage capacity of the shelving in multi-folds by increasing the no of floor or access levels across the system. This is achieved by adding catwalk levels between racks which allow you to access all the shelving levels ergonomically. These systems reduce the footprint area and increase the storage capacity of the shelving.

A perfect storage and warehousing solution for the areas which have high roof. **The best part about our multi-tier shelving is the fact that it is very versatile and can be deployed from scratch quickly.** It also has the ability to accommodate various other types of shelvings if need be. Multi-tier shelving is scalable and pretty much affordable. Adding extension bays and creating more space is also a strong advantage with multi-tier shelving.

We can choose form a variety of flooring options for the catwalks like metal grating, perforated decking planks, solid decking planks, chequered plates, cement composite boards, wood, plywood and MDF. Enhancements that can be done with multi-tier shelving are many and can be easily calibrated with our storage systems.

MAIN FEATURES

- **VERSATILE STORAGE**
Convenient for storing medium to heavy load goods in a multi-level system.
- **POCKET FRIENDLY**
Low maintenance needs and great space utilization makes it a cost-effective option.
- **HIGHLY ADJUSTABLE**
The shelves are adjustable to contain all kinds of loads.
- **ULTRA-PORTABLE**
Can be safely and easily dismantled, relocated and assembled.

BEST SUITED FOR ✓

Mixed storage of pallets and loose items.

NOT RECOMMENDED FOR ✗

Warehouses with palletised goods.

HEAVY DUTY SHELVING



PROS

- Inexpensive
- Manual storage/picking
- Versatile storage (pallets & non-pallets)
- Excellent use of space at heights
- Direct access to all stock

CONS

- Comparatively expensive than long span shelving



Heavy duty shelving is a highly convenient and economical form of storage for all your different types of goods. **Whether they are medium duty or heavy duty, whether they are palletized or non-palletized, all kinds of loads can be stored safely on heavy duty shelves.** The shelves come in a variety of configurations and materials like wire mesh, perforated steel panels, and wooden planks to suit your load requirements properly. **Multi-tier shelving is also possible in this system with the various provisions** to access higher levels of storage.

Heavy Duty Shelving makes remarkable use of the unused space at heights in warehouses. By saving costly and precious floor space it becomes a cost-effective storage solution for all your storage needs. The material can be easily stored or picked manually at lower level shelves while the stock at higher levels can be accessed with the assistance of MHEs. The structure of heavy-duty shelves is made of upright columns and beams that hold the load bearing shelves in place. The system is highly adjustable and yet sturdy enough for heavy duty loads. It also comes with many accessories that help you increase the efficiency of your storage and adapt the shelves to your specific load needs. The shelves are adjustable with a pitch of 50 mm and they are specially designed to accommodate all types of goods.

The system is not only easy to install but also equally easy to dismantle and relocate for use at another place. Ideally suited for storing goods of different sizes, **Heavy Duty Shelves can help you store pallets at the top level and non-palletized goods at the lower levels.** This system is based on person to product principle and is a preferred solution for smart and economical storage.

MAIN FEATURES

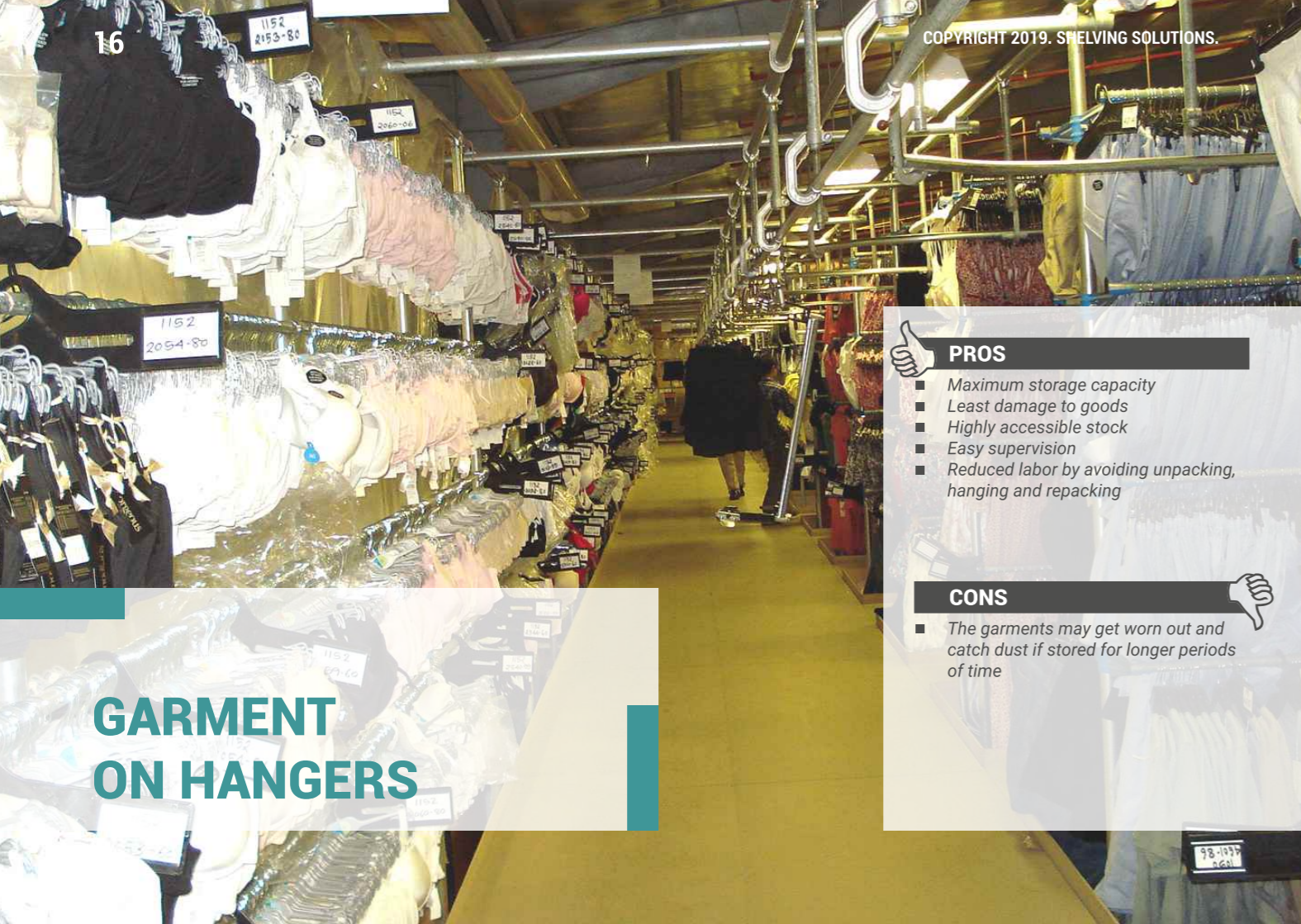
- **VERSATILE STORAGE**
Convenient for storing medium to heavy load goods in a multi-level system.
- **POCKET FRIENDLY**
Low maintenance needs and great space utilization makes it a cost-effective option.
- **HIGHLY ADJUSTABLE**
The shelves are adjustable to contain all kinds of loads.
- **ULTRA-PORTABLE**
Can be safely and easily dismantled, relocated and assembled.

BEST SUITED FOR ✓

Mixed storage of pallets and loose items.

NOT RECOMMENDED FOR ✗

Warehouses with palletised goods.



GARMENT ON HANGERS



PROS

- Maximum storage capacity
- Least damage to goods
- Highly accessible stock
- Easy supervision
- Reduced labor by avoiding unpacking, hanging and repacking

CONS

- The garments may get worn out and catch dust if stored for longer periods of time



The best way to store garments is by letting them hang freely. The Garments on Hangers (GOH) system is specially designed for this purpose. Garments require to be free of wrinkles and that is the reason GOH is an effective way to store garments in warehouses.

It is a modular system that is ideal for easy storage and picking of garments. Used in warehouses, production areas, distribution centres and even retail stores, GOH is a high-density storage solution for all kinds of garments. The shelves in this system can be easily adjusted to suit your garments need, as different sizes of garments may require different storage systems. By using vertical space, GOH system frees up the floor space for other uses and exceptionally easy for picking.

The structure of GOH is made of a rail system that runs along the span of the shelf, held in place by brackets attached to columns for support. It comes with different components to customise the system to suit your needs. **This system keeps your garments wrinkle-free and also provides 100% accessibility** which helps in making the storage and picking processes faster.

GOH provides with ample space between garments and yet maintains high storage capacity. Special materials like sequins, stones, leather, fur and others are not affected by the weight of other garments. Therefore, **it perfectly maintains the quality and integrity of your delicate garments in a smart and cost-efficient way.** This system is very much preferred by the fashion industry. It is safe and convenient. GOH provides absolute accessibility which makes it quite simple to supervise the humongous storage.

MAIN FEATURES

- **STORAGE ON HANGERS**
High density storage solution designed to store garments wrinkle free by hanging them.
- **MODULAR**
A modular system that consists of rails attached to adjustable brackets.
- **CURTAINS DAMAGE**
Minimum handling ensures negligible damage to the garments.
- **FLEXIBLE**
Adjustable for different sizes of garments and storage settings.

BEST SUITED FOR

Fashion industry with a lot of different SKUs and large stock per SKUs.



NOT RECOMMENDED FOR

Warehouse for wholesale stock.



LIVE (Roller) SHELVING

PROS

- Maximum use of space due to fewer aisles
- Fastest order picking
- Minimal errors in loading/unloading
- Minimises expenditure on floor space

CONS

- Higher initial cost
- Moving parts require Maintenance

Live Shelving, also known as Carton Flow or Bin Flow System, is a highly efficient order picking solution with a high-density storage capacity. **Designed as a bed of rollers on a slanted platform, this system lets gravity do most of the work.** The goods are loaded from one end of the rack, and they automatically slide to the other (picking) end of the rack under the influence of gravity rollers.

Live Shelving allows great stock turnover as it follows First In First Out (FIFO) inventory principle which means that the products that are stored first will be the first ones to be picked up. This system is ideal for warehouses that need automatic inventory rotation. Since the loading and unloading happens at two separate ends of the rack, there are literally no interruptions in picking & swift preparation of orders.

By eliminating the need of intermediate aisles, Carton Flow system becomes exceptionally compact and space efficient which helps in saving up on costly floor space. Another remarkable feature of this storage system is that all references or SKUs are at the front end of the rack, which ultimately reduces the amount of time and errors in order picking and hence makes this system a very efficient one. Apart from this, **Live Shelving is super flexible and adaptable and can be assisted with conveyors and Put to Light/Pick to Light systems for even better order picking efficiency.** Put to Light is an automated system that sets off a light on a screen to help the user know how many units are to be deposited in which rack. Pick to Light is a similar system that helps the user know how many units are to be picked up from which rack. These automated systems help speed up the order preparation process by eliminating the need of paperwork.

MAIN FEATURES

- **IN-BUILT ROTATION OF GOODS**
It is designed primarily to incorporate fast rotation with shelving
- **MITIGATED COSTS**
Minimised need of high-end material handling equipment, eliminates unnecessary internal transport and saves costs.
- **DENSE STORAGE CAPACITY**
Removal of aisle space between shelves makes the system extremely storage compact.
- **MINIMAL HUMAN LABOUR**
Reduction in loading and unloading operation scales down the manpower necessary for operation.
- **VERSATILE**
Easy to integrate in any type of storage solution.
- **CUSTOM DESIGN**
Can be customised to suit any requirement, for example, storage, intermediate warehouse or dispatch area.

BEST SUITED FOR

Warehouses with wide SKUs that require fast stock rotation, for ex., warehouses with assembly lines & mass consumption products.

NOT RECOMMENDED FOR

Warehouses with heterogeneous goods or goods that require low turnover.



SUPERMARKET SHELVING

PROS

- Space Utilization
- Better Visual Merchandising
- Modular & Easy to install

CONS

- Not very heavy loads
- Suited only for retail fixtures

Used heavily by the retail-based business concerns or a supermarket chain, customized shelves called supermarket shelves are a necessity for proper merchandising. Basically, a freestanding fixture used by retailers to display merchandise, supermarket shelves typically feature a flat base with constituent elements like notches & pegboards. The vertical piece of structure can also be affixed to shelves, hooks or other displays. Thus helping merchants organize their products better. This also helps them a lot with visual merchandising of their products an element which is vital for retail success.

These shelving system are target at providing ergonomic solution, which help maximum utilization of space and improve visibility and lighting of the racks to induce a purchase. As they are cantilever shelves there are no shadows on the racks from the aisle. They can single sided or double side, arranged with walking and shopping aisle to maximise visibility. Merchandisers plan the area based on its adjustable so that the shelves can be generate maximum revenue for the given retail space available.

As a company which deals in supermarket shelving solutions. We provide both standard and customized storage solution for our clients. **Our product range includes retail shop fixtures, supermarket racks, Gondola Racks and Shelves, Pharmacy racks, Grocery Racks, Display Racks, Check out counters, specialty racks, and many more related products.** We produce the best in class supermarket shelving solutions. Our products are sturdy and made using the best raw materials. This makes them reliable with pretty long service life.

MAIN FEATURES

- **VISUAL MERCHANDISING**
Best ergonomic visual to induce purchase
- **EASY TO INSTALL**
Commissioning of these is quick and easy
- **MODULAR**
Can be added or removed very easily
- **ECONOMIC**
Very economic system for retail

BEST SUITED FOR ✓

All types of retail outlets.

NOT RECOMMENDED FOR ✗

Heavy loads and industrial applications.

PRE-SALES SERVICE

At **Racks and Rollers**, we begin with an in depth understanding of our client's requirements right from the root level, overseen by a proficient team that holds an expertise in designing excellent storage solutions.

Diligent scrutiny of all the crucial factors **for example**,

- layout of the area available,
- number of Stock Keeping Units,
- required storage capacity,
- material handling equipment,
- throughput of the warehouse,
- required optimisation of operation time in order to minimise storage and retrieval time,
- contraction of labour

A viable and fitting solution is recommended to the client based on all the factors that play a decisive role

These system solutions emerge from a vision to help each business grow as a whole on a macro level and a process that includes rigorous study of the client's business, the product in question, and all the aforementioned warehouse factors.

Every solution recommended by us comes from the collaborative effort of members of a highly dedicated team who are united by a passion for making innovative economical storage solutions available to everyone in the world.

AFTER-SALES SERVICE

Our after sales services stem from the core mission that is at the heart of our organisation- **the mission of delivering value in the form of service**. These after sales services are a precursor to forging long lasting relationships with our clients based on a strong foundation of trust and goodwill. .

Another key factor for the timely completion of a project is its smooth execution. Throughout the project, right from the beginning of work to its completion, we grab every opportunity to vest our clients with absolute transparency of what is happening, be it the delivery of materials, merchandising, after sales safety audits, or system installation, by exceptionally qualified personnel.

In conjunction with the above, **Racks and Rollers** also offers exclusive training to the labours who are going to work day in and day out with our storage systems, explaining them the right methods of storing and retrieving goods in the warehouse.

Taking the safety of our clients as an organisational responsibility, we provide constant support, regular awareness of safety rules, and reminders of safety precautions to be taken care of while utilising the system in order to ensure safe and sound operation, least damage of life, and property and zero accidents on site.



OUR APPROACH

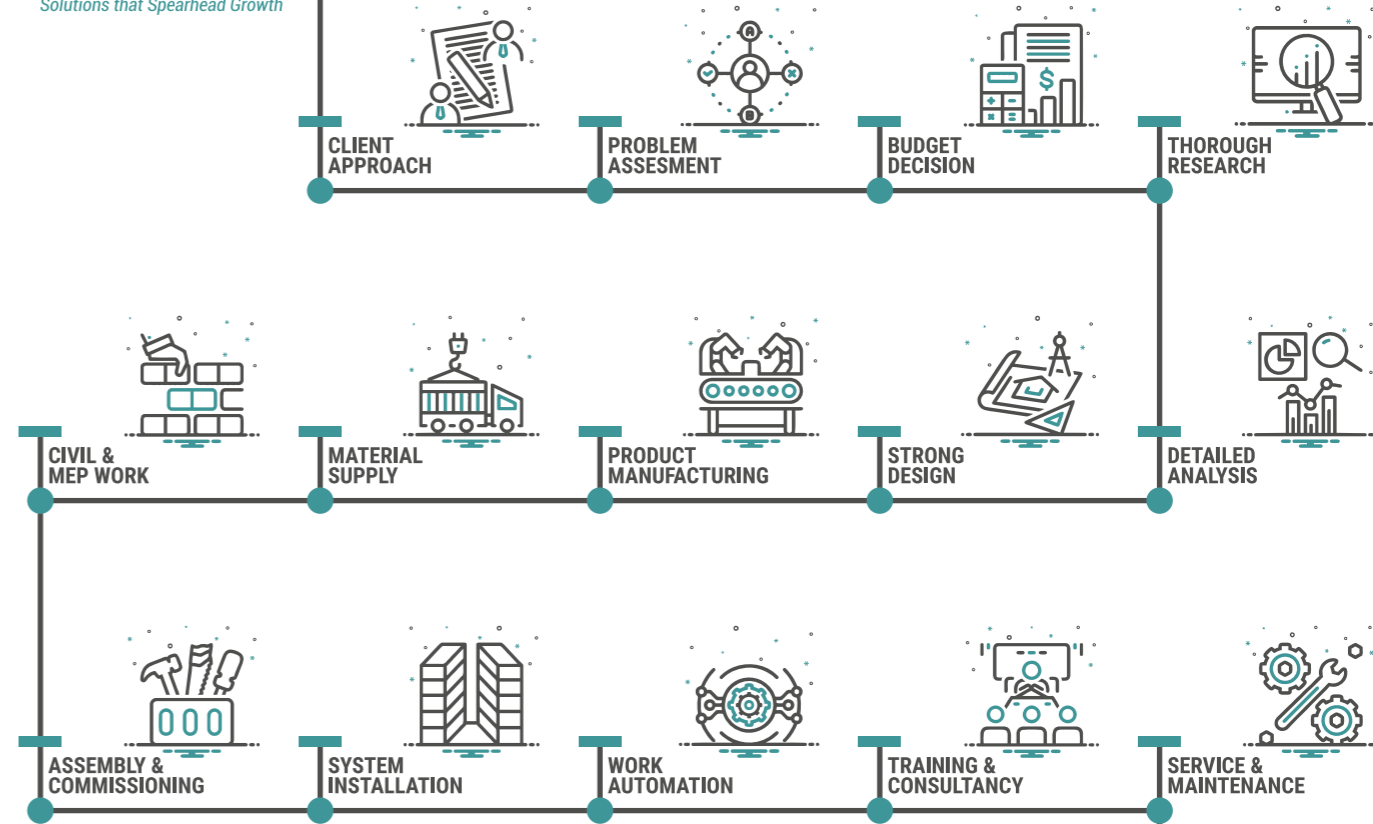
At Racks and Rollers, our team believes in an action-cum-solution oriented approach, beginning with basic & holistic understanding of the client's requirements on a root level. We meticulously consider the throughput, capacity requirement, material needs, and the various challenges faced by our clients in their warehouse operations before we commence building on the solution.

After a thorough analysis of the problem and a detailed understanding of their business, we propose a design that is the best fit for their organisation, complies with their requirements and most importantly, optimises their warehouse operations. **Delivering value rather than a mere product is what we believe our core approach has always been.** We aim at maximising our customers' satisfaction by offering an optimum solution that is highly suitable for them even if it turns out to be a turn key project.

Our solution is accompanied by expert guidance that emerges from painstaking research conducted by a team of highly skilled professionals. Empowering our clients with the right consultation is at the heart of our work ethics at Racks and Rollers. Moreover, we truly believe in forging long lasting bonds with our clients by maintaining a service-oriented relationship with them even after the project is accomplished. Embracing this spirit of goodwill, most of our clients engage us for numerous after sales services. **As a company that is striving to make cutting edge solutions economically accessible worldwide, we take pride in our vision to equip every custo with an absolute solution to their problem rather than delivering just a storage system.**

SEAMLESS INTEGRATION

Solutions that Spearhead Growth



OTHER RANGE OF SOLUTIONS

RACKING SOLUTIONS



- Selective Pallet Racking
- Drive-In Pallet Racking
- Radio Shuttle Racking System
- Cantilever Racking
- Pallet Flow Racking
- Mobile Pallet Racking
- Push Back Pallet Racking

AUTOMATION SOLUTIONS



- Conveyor Systems
- Merge & Sort Systems
- ASRS with Stacker Crane
- ASRS with Shuttle FRS
- Vertical Goods Lift
- Radio Shuttle
- Pick / Put to Light

OTHER RANGE OF SOLUTIONS

STRUCTURAL SOLUTIONS



- Mezzanine
- Stackable Pallets
- Rack Supported Warehouses
- Pre-Engineered Buildings
- Temperature Controlled Warehouses

CONSULTING SOLUTIONS



- Turn Key Solutions
- Intra-Logistics Design
- Warehouse Management Systems
- Simulation
- Rack Inspections
- Project Commissioning