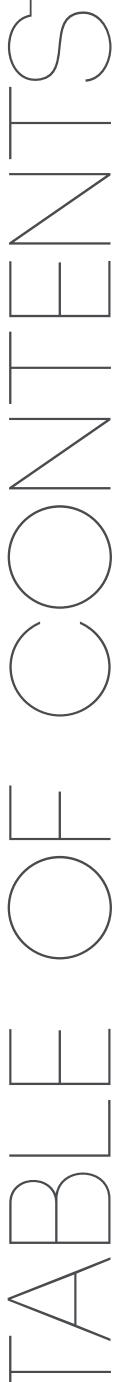




The POD Company  
A SPEED HOUSE GROUP COMPANY



THE POD COMPANY  
**BATHROOM PODS**  
PRE-QUALIFICATION



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Since our inception at Ajman Industrial Area, UAE in 1974, we have sailed through many ups and downs and amassed a wealth of experience in dealing with local as well as international customers. Late Mr. Dib Hanna, the founder of the group, started the business operations with a mere workforce of 50 employees with a vision to provide quickly deliverable and cost-effective living space solutions. With the passage of time, the group has grown multifold and positioned itself in the global market by expanding its presence to the KSA, Oman, Kuwait, Bahrain, Iraq, Lebanon and Qatar as well as executing magnificent projects in the UK, Australia, India and the Caribbean Islands. Speed House Group, today, boasts of the strength of 2000 employees who are well-qualified and highly trained in their professions. The entire group takes pride in offering turnkey solutions to the clients with an adherence to the ISO 9001 standard. As of today, the group has served thousands of clients across all the 6 continents. The group caters to the diversified needs of the local as well as international markets that include:

- **PREFAB HOUSES**
- **GRC STRUCTURES**
- **GRP STRUCTURES**

Apart from that, we have made a mark in:

- |                           |                                   |
|---------------------------|-----------------------------------|
| ■ <b>CIVIL WORK</b>       | ■ <b>ROAD CONSTRUCTION</b>        |
| ■ <b>WOOD WORK</b>        | ■ <b>LGS/COLD FORMED STEEL</b>    |
| ■ <b>INTERIOR FITOUTS</b> | ■ <b>SWIMMING POOL SHADES</b>     |
| ■ <b>SANDWICH PANELS</b>  | ■ <b>GRP CAR PARKING SHELTERS</b> |

We are equally capable to handle any off-site construction elements such as:

- |                        |                               |
|------------------------|-------------------------------|
| ■ <b>KITCHEN PODS</b>  | ■ <b>HOSPITAL HEADBOARDS</b>  |
| ■ <b>BATHROOM PODS</b> | ■ <b>CONTAINER CONVERSION</b> |

With our glorious past and promising future, we are pretty sure that you will trust us a reliable source to fulfill your current and future business requirements.

**SHG is happy to be the guarantor of TPC and any other company under the group.**



The POD company is specialized in off site construction of pre-engineered bathroom & kitchen pods. we design, manufactures, installs and commissions pre-engineered bathroom pods. All pods are manufactured in a factory- controlled environment in our facilities in Ajman.

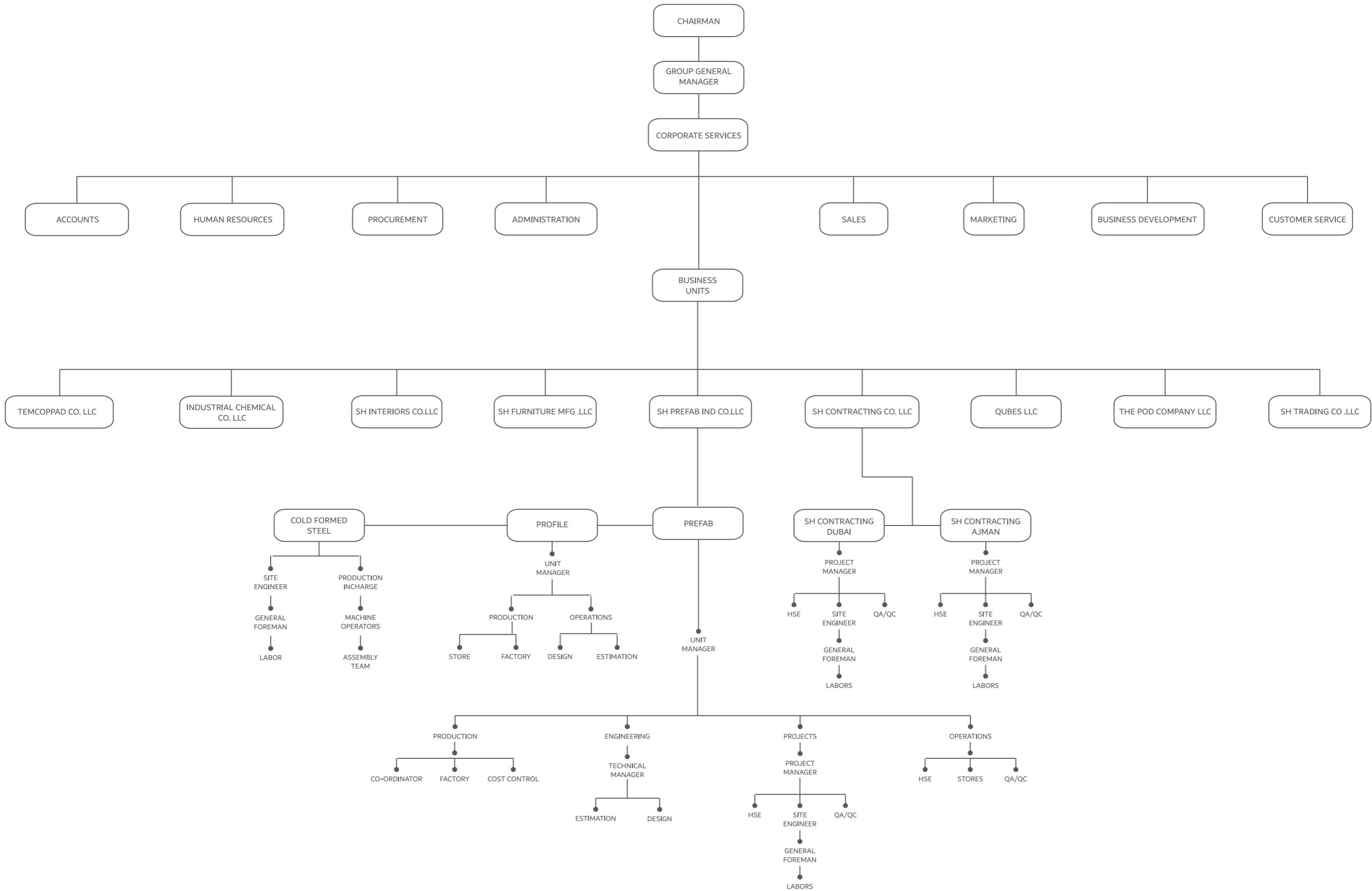
The POD Company is built up around a team with more than 25 years of off site construction solution experience in Europe as well as in the UAE supplying pre-engineered bathroom pods to projects in the U.A.E, Qatar, Saudi Arabia, India, United Kingdom and Australia.

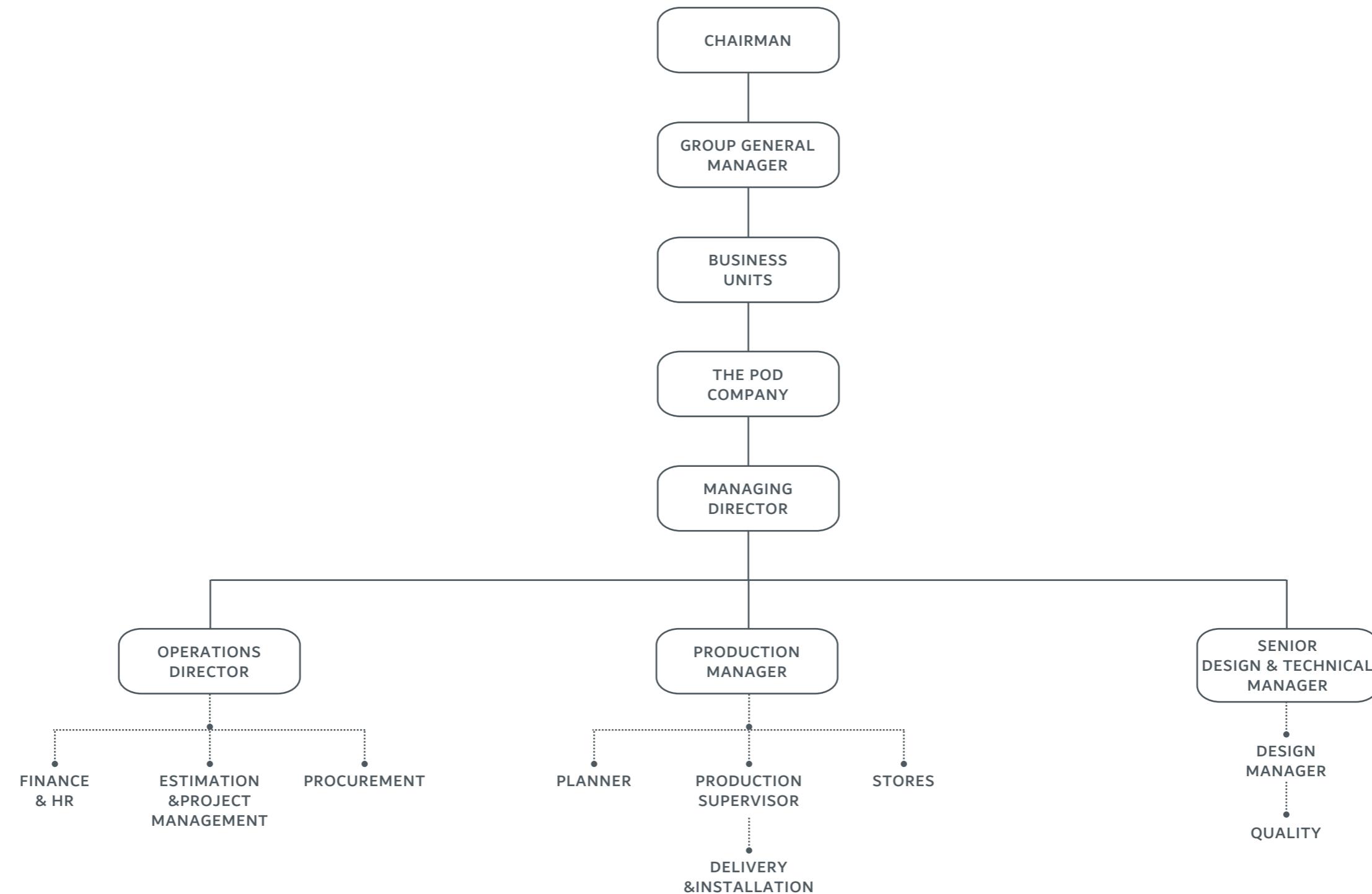
The POD Company is the newest subsidy of Speed House Group of Companies, a group that has been playing a major role in designing, manufacturing and installing different type of construction products in the region since 1974. The main products being produced are Prefabricated buildings, Fiberglass products, GRC and Water Tanks.





## ORGANIZATION CHART-SHG





## SENIOR AND KEY PERSONNEL



The team will therefore consist of the following Managers, further information can be provided if required.

### **Managing Director,**

62 years, British with 34 years experience 11 years in the UAE with off-site construction and pod manufacturing, qualified tradesman, experience in all levels of production and site management, as well as technical sales and workshop meetings. Experience including hotels, hospitals, Residences, fast food restaurants, build as modular construction methods with steel , timber or concrete solutions ie container conversions to hotels site accommodations etc. 7 years experience as Technical Director for a bathroom and kitchen pod company in the UAE being responsible for design, production, installation and quality. Additionally also in charge of Sales and sales- and work shop meetings with architects, clients, consultants and developers.

### **Operations Director,**

Operations Director, 48 years, Danish, Export Engineer (civil) with 15 years experience within the pod industry from Scandinavia, United Kingdom, and in the UAE. Experience with Project Managing, Operations, Supply Chain, Technical Design as well as Sales for projects within hospitality, residential as well as commercial bathroom pod and kitchen industries.

### **Technical and Senior Design Manager,**

52 years, Danish with 30 years experience in Scandinavia, the UK, and 12 years in the UAE market with bathroom pod design and production from architectural layouts to full production drawings down to the smallest detail. Concrete reinforcement design to roll former programming.

### **Production Supervisor and Installation Manager,**

48 years of age, Indian, with 11 years experience with pod manufacturing and installation, fully qualified and experienced electrician.

### **Estimations Manager,**

50 years of age, Pilipino QS with 8 years experience with estimation and project coordinating of bathroom pod projects in the UAE, as well as 10 years experience as Quantity Surveyor at Damac in Dubai.

### **Project Manager,**

48 years Pilipino, QS with 10 years experience with estimation and project management of bathroom pod projects in the UAE. Prior to this 15 years experience as QS and project and site engineer in Qatar and the Philippines.

### **Production Planner,**

41 years Pilipino with 10 years experience with planning, procurement and Logistic of bathroom pods.

## MATERIAL DESCRIPTION



Pre-engineered bathroom pods have successfully been used as a crucial part of the modern building industry in Europe using offsite construction for more than 40 years, and it is rare that a project with a repetitive number of bathrooms is built without using bathroom pods. The fascinating developing construction market in the Middle East, is also getting familiar with the benefits that pods provide such as speed, quality, consistency, control of budget, less snagging, and thousands of pods has already been installed in hotels, villas and universities in UAE, KSA, Qatar and India. The bigger scale and size of projects here will benefit even more than the European market from offsite construction, and after only a few years the market has already established some good repetitive customers that will be wanting to use pods on the projects where it is possible.

## THE PRODUCT

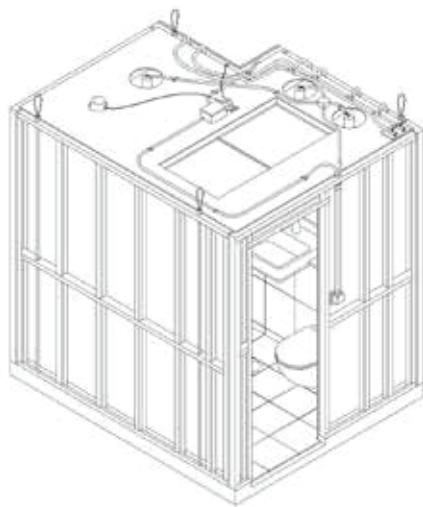
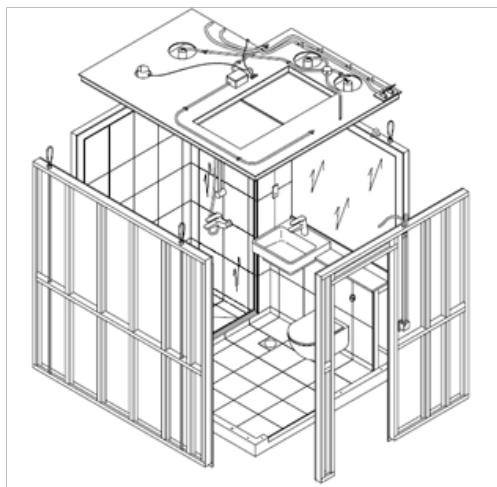
The POD Company will design, manufacture, deliver and install offsite manufactured bathroom pods as a full turn-key bathroom solution, consisting of floor, walls, ceiling, with all internal finishes 100 % complete. A pre-engineered bathroom pod is a bathroom built off-site, designed bespoke to each different project to suit the building and specification to the request of the client, architect, and/or main contractor. The bathroom pod can be anything from a simple low end housing project, with simple 100x100 mm ceramics tiles on the wall to complicated 5 star hotels with marble or granite floors and walls, walk in showers with glass enclosures, glass wall cladding, free standing baths etc. The more complex and requirement to detail, the more beneficial it is to build in a factory controlled environment compared to building it on site, but especially in the GCC market both segments has proven to benefit from the offsite solution. The floors are all cast in concrete, with the option to cast all drainage in the floor and therefore save considerable MEP works and co-ordination of these works on site. Floors are waterproofed and tiled, the walls and ceiling are added and the box is assembled.

## MATERIAL DESCRIPTION



The walls which can be precast concrete or lightweight steel and gypsum plasterboard, are waterproofed and tiled, plumbing and electrical is carried out, and the bathroom is fitted out with toilets, bath, shower screen, mirror, brassware etc. The complete turnkey finished bathroom is fully tested and ready for simple on site connection to the mains like, water, drainage and power. The pods are loaded onto a truck or into a container if they are being shipped to Europe or India, driven to site and lifted directly into place from the top or lifted onto a platform on the side of the building and pushed into place, by our experienced installation team.

Please see **The Stages of production** for further details about the different stages of our pod production



STEEL POD WITH LIGHTWEIGHT CEILING - ISOMETRIC VIEW

## BENEFITS

The Pod Company will design, manufacture, deliver, and install offsite manufactured bathroom pods as a full turnkey bathroom solution, consisting of floor, wall, and ceiling with all internal finishes 100 % complete. Benefits with bathroom pods compared to traditionally build bathrooms on site.

Consistent quality all pods built to the standard of a signed off reference pod.

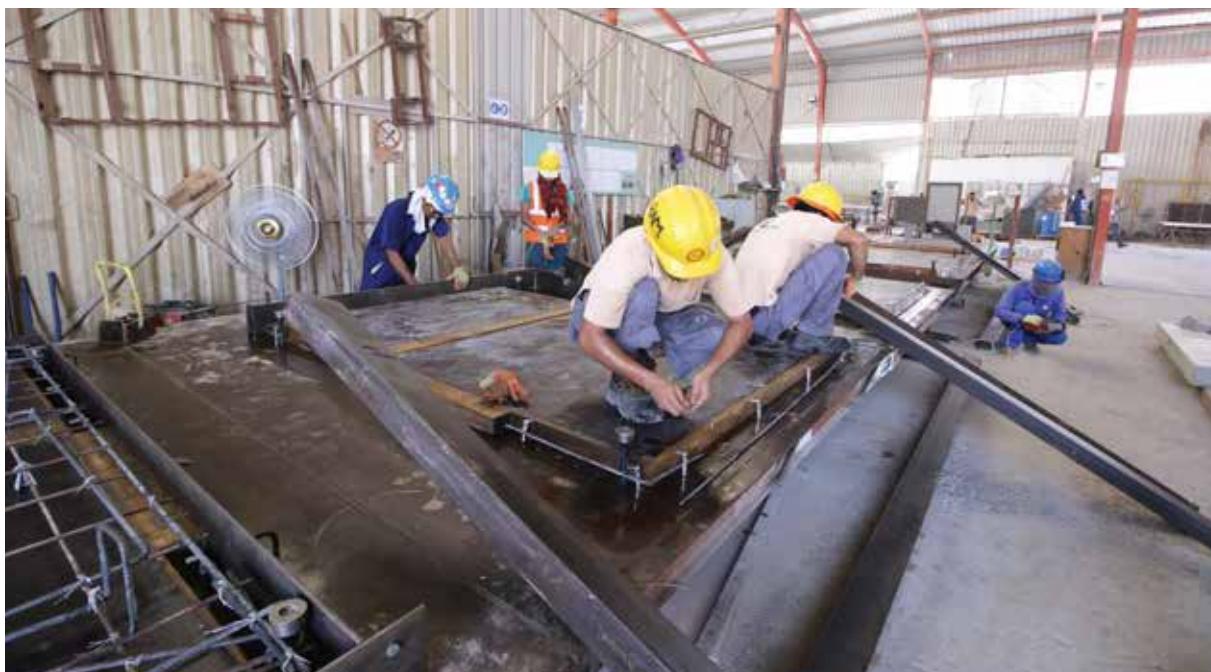
- Less snagging on site, in the often hectic finishing stage of the project
- Time saving, on the total build program
- Design, experienced team, specialised in bathroom design and manufacture
- Less crane time, the complete bathroom including materials is lifted in one
- Less labour, less coordination and supervision of, tillers, plumbers, electricians, marble installers etc.
- Site restriction, no need for storage of materials on site, bathroom is lifted straight into the building.
- One point of contact, instead of 6-8 different contractors, everything will be coordinated by The Pod Company
- Easy maintenance, when drainage is running in the floor, easy access for maintenance
- Fully tested, Pods are delivered fully tested
- Fixed price, the price is agree with the specification so no surprises later
- The speed of installation, 20-30 pods can be installed a day

## PRODUCTION STAGES

### Mould Making

Mould Moulds are handmade to detailed bespoke drawings for each individual pod type with all fall and gradient build in. All drainage can also be installed with the pod floor.

A mould is made to each pod layout with falls to gullies and with reinforcement, and the floors are cast upside down. The floors are cast upside down. Inserts are cast in floors for mechanical fixing of wall panels.



## PRODUCTION STAGES

### Casting the Floor

The Floors are cast upside down. Inserts are cast in floors for mechanical fixing of wall panels and reinforcement is installed with the required spacers, and quality inspected prior to pouring the concrete.



## PRODUCTION STAGES

### Floor Tiling

Floors are placed on tresses at waist height, primed, and waterproofed prior to tiling. All tiles are set out in accordance to approved tile layout drawings to best work practice and top quality workmanship. Only UAE climate approved adhesives are used.



## PRODUCTION STAGES



### Pod Assembly

Wall Panels are assembled and fixed by using mechanical bolts into the cast in inserts



## PRODUCTION STAGES

### Waterproofing

All floors and wet areas are waterproofed using a 2 coat system with a reinforced membrane to all the joints. The walls are waterproofed all around min 200 mm up from the floor.



## PRODUCTION STAGES



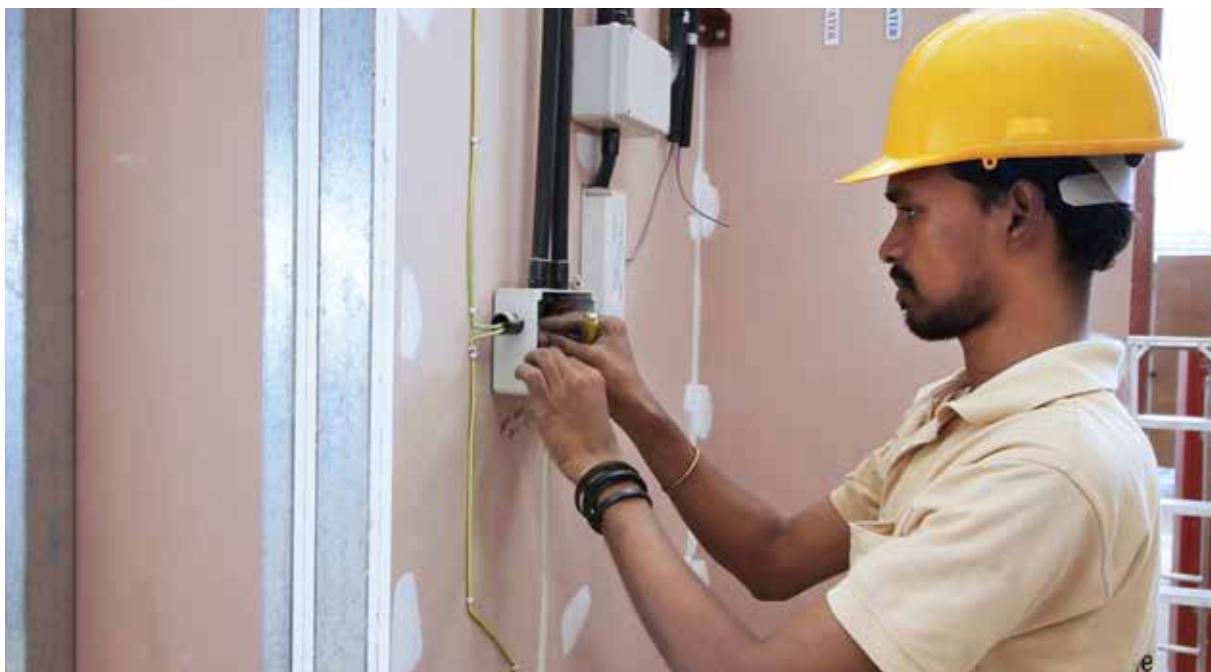
### Water Testing

Alongside standard production at least 1 pod every day is flood tested



### First Phase Plumbing & Electrical

Set out in accordance with detailed drawings PPR, PEX or PVC pipe work can be used if required. Pipework can be run in the framework or cast in the concrete wall, or simply run on the ceiling. Shut off valves and termination boxes should be located in the riser shaft or any agreed location, like here on the ceiling.



## PRODUCTION STAGES

### Wall Tiling

Wall tiling is set out to detailed wall panel drawings, to ensure uniformity and top quality workmanship. Only UAE climate approved adhesive is used.



### Second phase plumbing & Electrical

Pre-plumbed appliances and accessories are fixed to the preinstalled location point and in accordance to manufacturer's instructions.



### Testing

A full and complete pressure and function test is carried out to all services & drainage pipe works, as well as all the electrical installation. Test sheets are supplied when each pod is delivered.



## PRODUCTION STAGES

### Completion

The pod is cleaned and silicone prior to the final inspection sign off. Each pod is supplied with pre-delivery inspection sheet. A plywood panel is secured over the doorway before wrapping with polythene for protection during transportation. Steel pods as illustration below are fully protected.

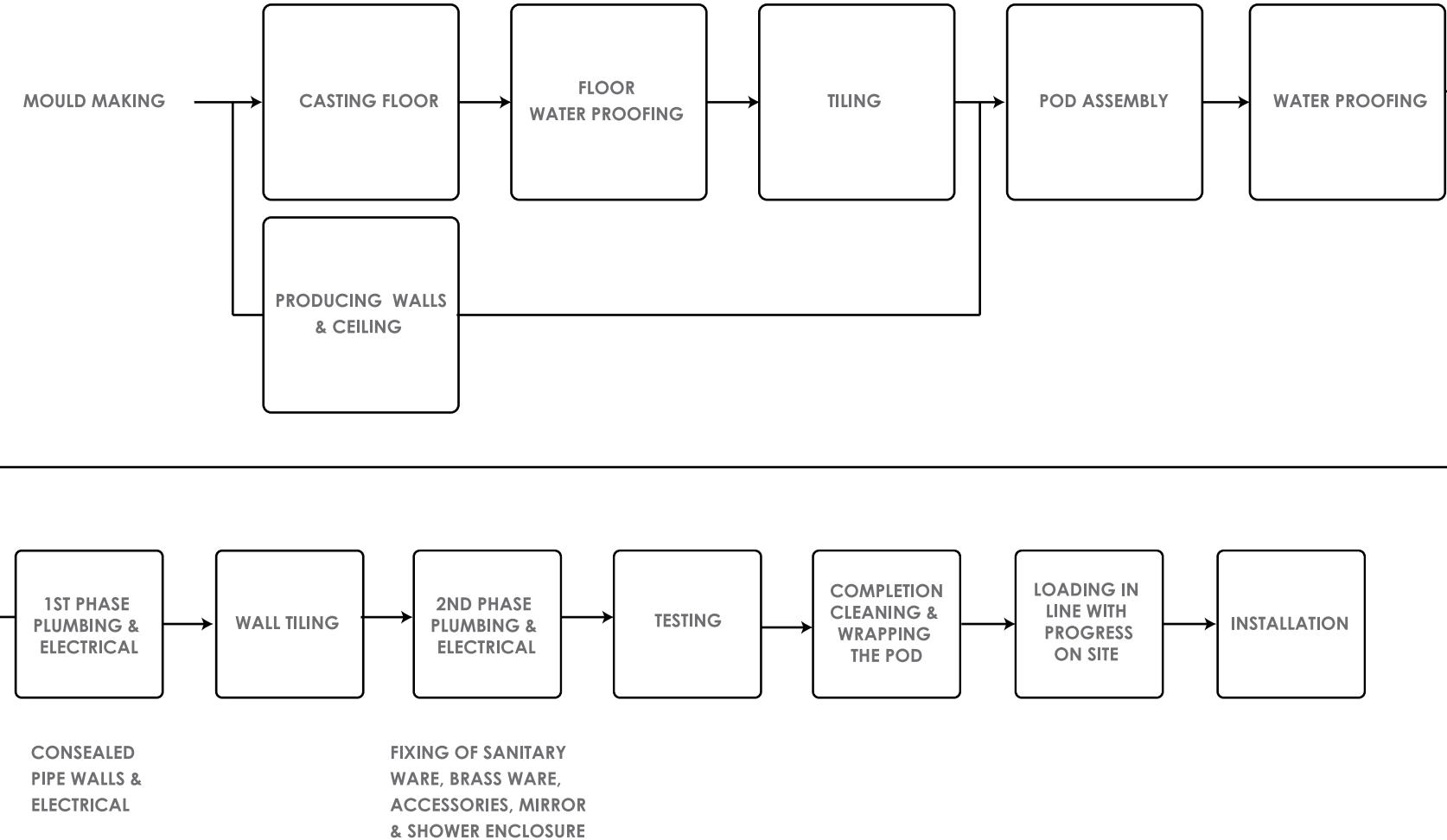


### Installation on site

Pods are lifted onto trailers according to the agreed delivery schedule and the build program and requirements on-site, when reachable with a truck, UAE, Qatar, KSA, etc, and when exported to India or Europe, they are loaded into containers and shipped to the destination. Pods are either lifted with the site crane, vertically directly into position or onto a platform on the side of the building and push inside the building to its final location.



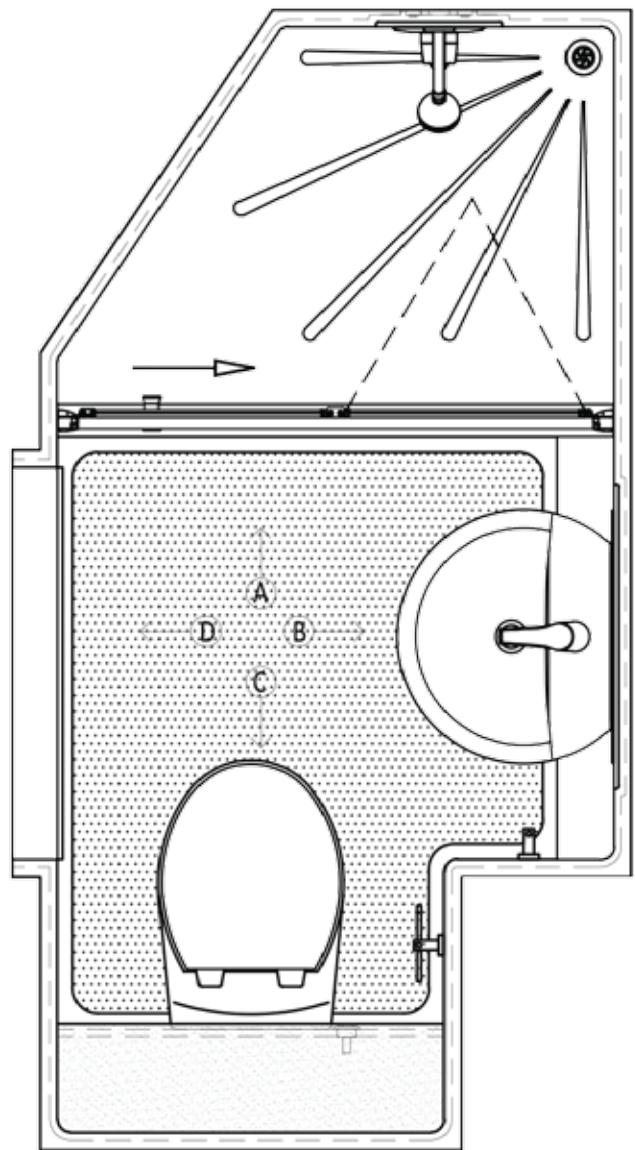
## PRODUCTION FLOW



## PRE-ENGINEERED BATHROOM PODS



THE POD COMPANY  
A SPEED HOUSE GROUP COMPANY



**TECHNICAL  
DESCRIPTION**

## INTRODUCTION

The pod company will design, manufacture, deliver, and install Off-Site Manufactured Bathroom Pods for the construction industry. We offer a full turn-key bathroom solution, designed specifically to meet our client's project needs.

Pods are completed bathroom units consisting of floor, walls, and ceiling. Each pod is delivered to site with all internal finishes 100% complete. This includes all floor & wall tiling, sanitary ware, fittings and fixtures, plumbing, and electrical systems, ie including mirrors and lights.

The pod is constructed and finished in a controlled factory environment, delivered to site, and installed within the building structure for simple on-site connection to water, drainage, and electrical systems.

## POD CONSTRUCTION

### 2.1 Pod Floor

The pod floor is a self-supporting pre-cast concrete slab. The floor is cast with a perimeter up-stand to provide maximum water-tightness. The floor thickness varies from 50mm plus finish, depending on layout and overall size of the pod.

1. Reinforced Concrete Strength: 30MN/m<sup>2</sup>
2. Reinforced Concrete Density: 2300 — 2400 Kg/m<sup>3</sup>

All necessary holes and penetrations for service and drainage runs can be incorporated within the floor design. The concrete pod floor can be cast with built-in gradient/falls and steps as necessary to form wet room shower floors or shower tray details.

### 2.2 Pod Walls

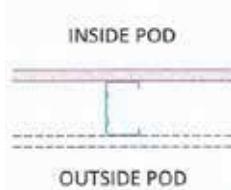
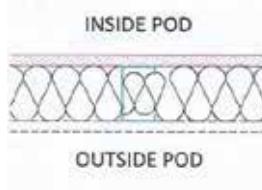
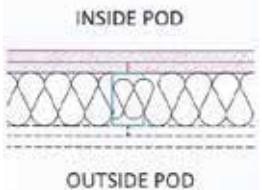
1. Lightweight Steel Frame Gypsum Board Lined Walls
2. Concrete Walls

#### 2.2.1 Lightweight Steel Frame walls

The lightweight steel wall consists of cold-rolled galvanised steel c-section studs lined internally with moisture resistant gypsum plasterboard to form a rigid wall construction ready to receive factory-applied internal finishes. The c-section studs are produced in our factory via an automated roll forming process whereby each section is cut to the exact length with notches, swage, rivet punch and countersinks to exacting requirements. The studs are formed from 0.70 gauge galvanized steel which is more rigid than typical gypsum board metal stud sections. The wall panels are designed with studs at max 400mm centres providing a robust and rigid wall panel construction. Walls are lined internally with moisture resistant gypsum plasterboard ready to accept finishes within the factory. Plasterboard specification is selected to meet specific performance requirements for the finished wall. Insulation can be included between studs if required. Riser/shaft walls are cladded inside and outside with 2 layers of FR plasterboard, and insulated to meet the specific fire rating. This construction has been tested to give a 2-hour fire rating.

Generally, the external layer of dry-lining is applied on-site by the main contractor once the pod has been placed in its final location within the building.

### 2.2.1 Wall Construction Performance Table

Wall Thickness	$12.5 + 63 + 12.5 = 88\text{mm}$ (+ internal finish)	$12.5 + 63 + 12.5 = 88\text{mm}$ (+ internal finish)	$(2 \times 12.5) + 63 + (2 \times 12.5) = 113\text{mm}$ (+ internal finish)
Construction (Inside to Out)	Single Layer 12.5mm Moisture Resistant, Fire-shield Gypsum Plasterboard - 63mm Galvanised Steel Stud @ max 400mm centres - Single Layer 12.5mm Typical Gypsum Plasterboard (Site-applied by MC)	Single Layer 12.5mm Moisture Resistant, Fire-shield Gypsum Plasterboard - 63mm Galvanised Steel Stud @ max 400mm centres with Mineral wool insulation within void - Single Layer 12.5mm, Fire-shield Gypsum Plasterboard	Double Layer 12.5mm Moisture Resistant, Fire-shield Gypsum Plasterboard - 63mm Galvanised Steel Stud @ max 400mm centres with 50 mm Mineral wool insulation within void - Double Layer 12.5mm, Fire-shield Gypsum Plasterboard
Fire Protection	30 min, manufacturer data	60 min, manufacturer data	120 min, tested
Noise Reduction	37–39 dB manufacturer data	42 dB manufacturer data	50 dB manufacturer data
Detail			

### 2.2.2 Concrete Walls

The concrete pod wall can be produced in two thicknesses dependant on the pod design.

Wall Thickness: 60mm + finishes

80mm + finishes

Each concrete wall is cast as a single reinforced concrete panel.

Concrete : fck > 20 MN/m<sup>2</sup>

Weight : 1600 – 1700 Kg/m<sup>3</sup>

Panels are formed with pipe routes and electrical conduits and outlets cast within the wall panel and inserts required for connections at floor to wall, wall to wall and wall to ceiling junctions.

Floor to wall (horizontal junction) connections are made at max 800mm intervals and wall to wall (vertical junction) connections are made at max 600mm intervals. In both cases the connections and joints are sealed with a mortar adhesive.

The external face of the concrete pod wall provides a good quality smooth surface that will only require minimal filling on site.

Wall Thickness	60mm (+ internal finish)	80mm (+ internal finish)	
<b>Construction</b>	60mm Thick Pre-Cast Reinforced Concrete Panel	80mm Thick Pre-Cast Reinforced Concrete Panel	
<b>Fire Protection</b>	30 min., data not tested	60 min, data not tested	
<b>Noise Reduction</b>	37 dB manufacturer data	40 dB manufacturer data	
<b>Detail</b>			

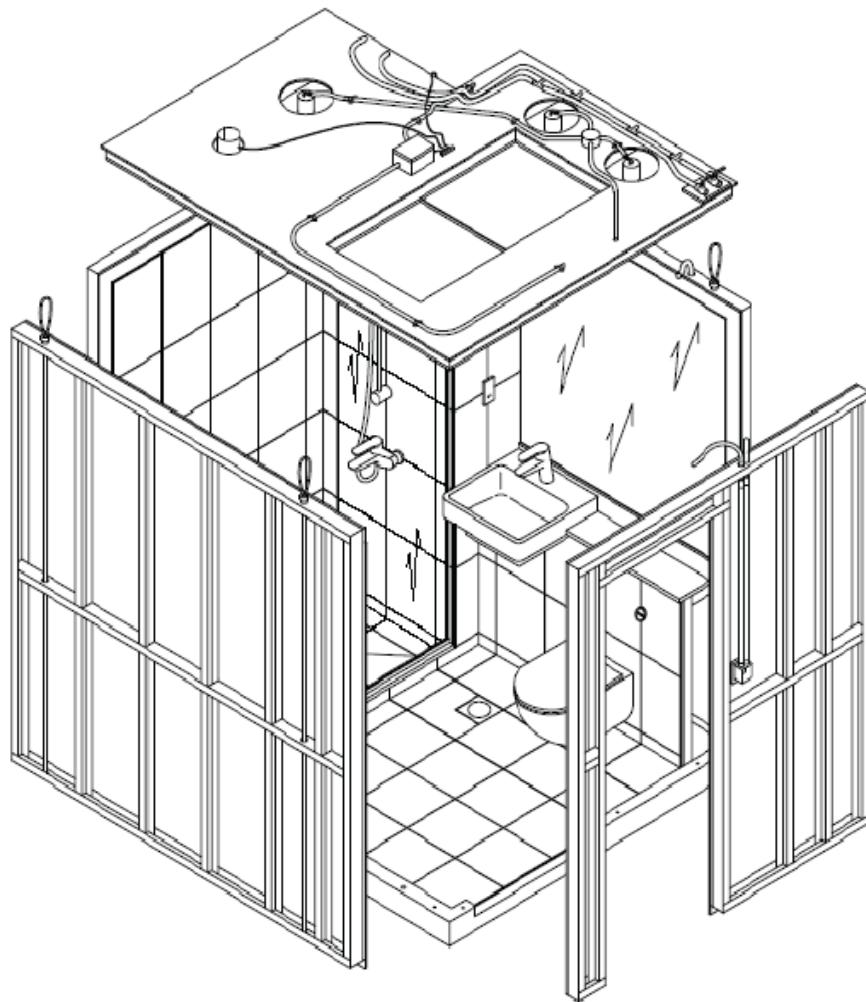
### 2.3 Concrete Walls

The pod ceiling is a single panel consisting of steel sub-frame lined internally with moisture resistant gypsum plasterboard. Any joints are taped, filled and a painted finish is applied. A protective layer of 9mm plywood is provided externally.

Dependant on specific project design requirements two construction options can be offered.

- 1200 Kg/m<sup>2</sup> for a concrete pod (concrete floor and walls)
- 450 Kg/m<sup>2</sup> for a lightweight steel pod (concrete floor and lightweight steel walls)

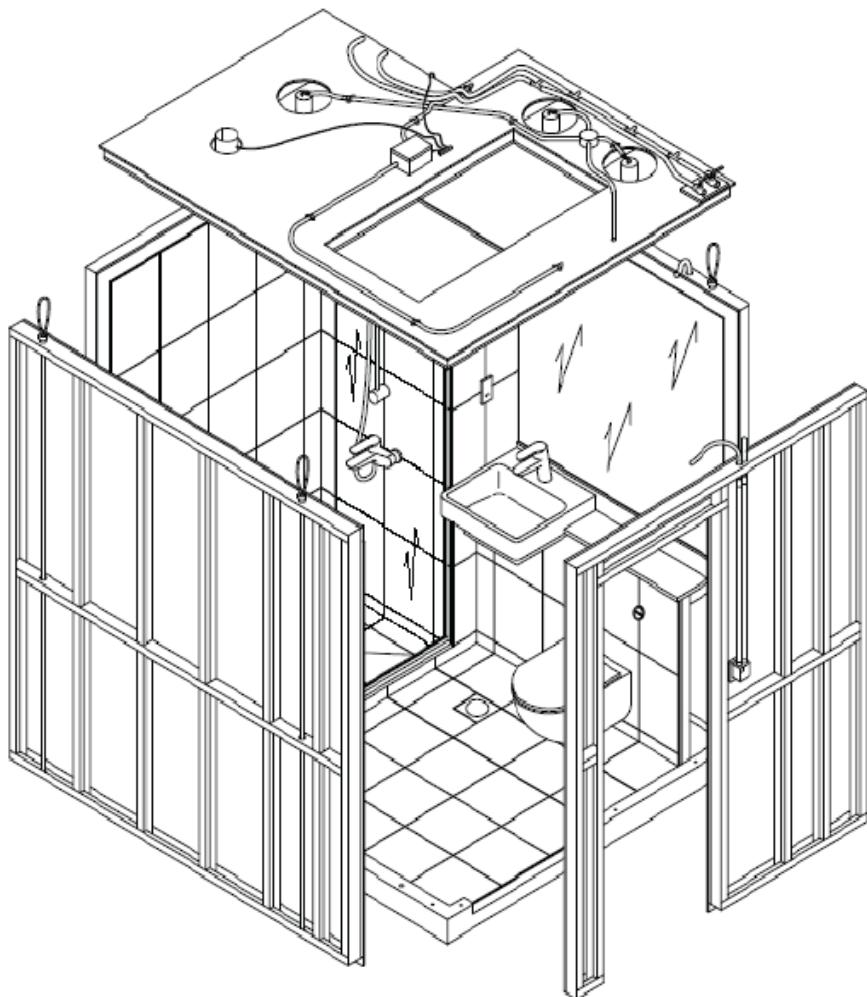
Access panel or demountable ceiling tiles can also be provided.

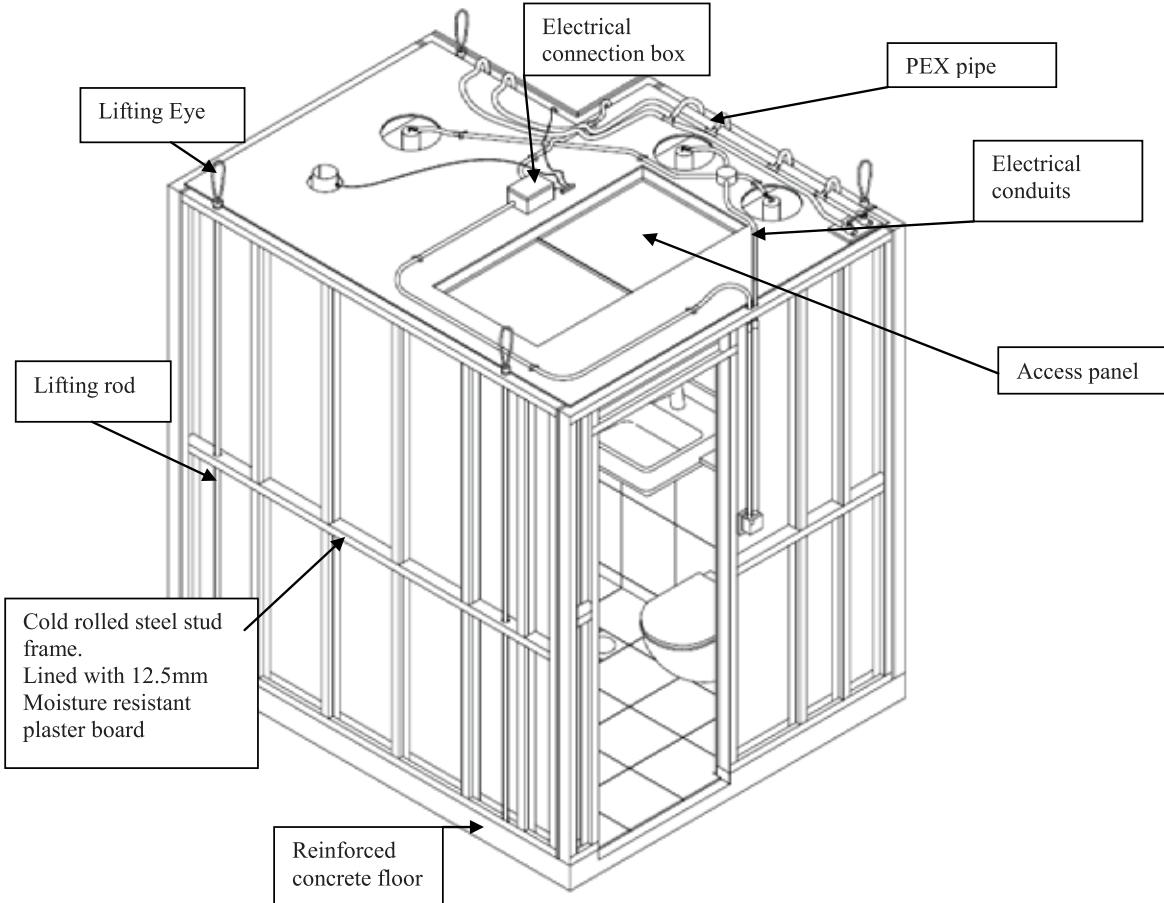


### POD ASSEMBLY, PROCESS & FINISHES

#### 3.1 Cabin Assembly

The tiled pod floor is levelled and the wall panels positioned in sequence with inserts and fixing points aligned and mechanically fixed. The pod Ceiling panel is then lowered into place and secured. Lifting rods are positioned and fixed. All fixings are secured and checked as part of the quality procedure.





### 3.2 Waterproofing

The process begins with application of primer to all floor and wall surfaces. The waterproofing is applied to the floor area and floor/wall junctions returning 200mm up all walls, and full height to walls in wet areas such as showers. The waterproof membrane is a solvent-free synthetic resin, applied on to the floor and walls and dries to form a flexible waterproof membrane. This membrane is applied in two coats and combined with reinforced tape at floor to wall junctions and vertical corners (wall to wall junctions).

### 3.3 Tiling, Adhesive & Grout

The adhesives and grout and waterproofing form part of the tiling system, developed in conjunction with BASF & Mapei

The adhesives and grouts used are selected based on the tile specification.

The pod floors are tiled and grouted prior to pod assembly. The pod floors are placed on trestles at waist level providing better tiling conditions to achieve the standard required.

Wall tiling and grouting is carried out when the pods are assembled, each wall and floor has a pre-determined setting out point.

### 3.4 Internal Finishes

Internal finishes will be project specific as agreed and approved by the client.

## MECHANICAL & ELECTRICAL SERVICES

In general terms, provision is made within the pod for all MEP services required within the bathroom. All services are in co-operated and terminated at an agreed location to simplify onsite connection to the main systems. This includes but is not limited to: water supply, pipework, drainage, soil and waste pipework, electrical wiring, ventilation, and extract system. In each case, the system design is detailed within the shop drawings which are issued for sign off and approval by the client prior to commencement of pod manufacture.

### 4.1 Water Supply Pipework

The bathroom pod will be supplied with all terminal fittings including taps, mixers, shower valves, and shower-heads fixed, and will include all required hot & cold supply pipework. The supply is generally fed from a single pair of hot & cold supplies. The isolating valves are located at an agreed accessible location so that MEP contractor has only one hot and one cold connection to make at each pod. All required service valves can be included within the pod design dependent upon specific design constraints. The preferred system is apex system that conforms to all WRAS, BS, & EN standards for potable water. The system is installed using a pipe-in-pipe system meaning that pipe runs are cast into concrete components or within wall cavities can be easily replaced should this ever be required. Alternatively, PPR, PVC CPVC schedule 40 schedule 80, can be used if specified.

Pipework installations on every pod are rigorously tested as part of the factory production quality assurance procedures. Test results for each pod are recorded and supplied with the pod as a record and confirmation of testing procedure (see "Testing & Quality Control" for more details").

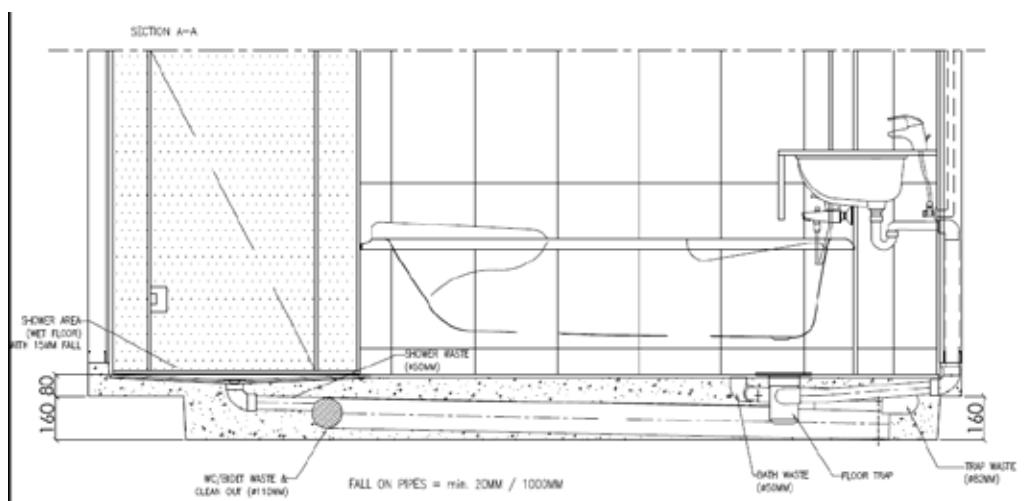
It is assumed that the incoming supply system will be a nominally balanced, pressurized system set to meet the operating requirements of the specified fittings used within the pod. No allowance is made within the pod design for the provision of pressure reducing valves or flow, regulators, unless specifically requested. The main contractor must ensure that the site installed plumbing installations are fully flushed out prior to making connection to the pod, as any debris in the system could damage the terminal fittings within the bathroom or cause them to malfunction. Where such symptoms arise, the responsibility for failure will lie with the Main Contractor

### 4.2 Drainage Systems

Soil and waste drainage pipework will be included to all appliances within the pod. Connection will be made to all appliances within the pod and will include water seal/trap (where required). The drainage pipework will run to an agreed termination point for on-site connection to main system (by others). Drainage runs within the pod can be accommodated in a number of ways depending on location of appliance to be drained, required pipe dimensions, and design limitations to ensure conformity with regulations.

The following methods or combinations can be considered:

1. Cast in-floor — drainage pipework including gullies and cleanouts can all be cast in the pod floor slab and run to the riser shaft area for simple onsite connection, reducing the works on site significantly.



Example of drainage cast in the floor

2. Horizontal — drainage runs will run above pod floor level within the pod, penetrating pod wall to terminate at agreed location; possibly a service riser or shaft. The pipe termination will project approx. 75mm beyond external face of pod wall to allow on-site connection. Pipes are generally concealed either by running within bulkheads or pipe boxing. For smaller diameters it is possible for the pipe to run within the depth of the pod wall cavity.

3. Vertically — drainage runs will terminate directly through the pod floor. This is done by casting a socket within the pod floor. Corresponding cut-out is required in the supporting slab below so that site connection can be made by pushing pipe up into the socket provided.

Unless stated otherwise all soil & waste drainage pipework within the pod will be solvent weld PVC & uPVC material. Fire sleeves are not fitted to waste pipework except where the provision of these has been clearly stated within our specifications and indicated on our detailed design drawings. All drainage systems fitted within the pod are factory tested as part of our factory production quality assurance procedures. Test results for each pod are recorded and supplied with the pod as a record and confirmation of testing procedure (see "Testing & Quality Control" for more details").

All service connections in the pods are fixed so connecting to these outlets needs to be made with due care and attention, and damages could affect the warranty. We therefore recommend use of slip couplings when connecting to horizontal drainage terminations.

### 4.3 Electrical Installation

The bathroom pod will be supplied as fully finished room with all specified electrical components and wiring systems complete and installed in compliance with the required regulatory standards. All required wiring will be in place and termination will be made at agreed location (normally the junction box is on pod roof or duct wall) for simple on-site connection to the main system. The pods can be supplied with an external back-box for light switch at the entrance door however the switch-plate is supplied and installed by others on site once required finishing has been completed to the external face of the pod wall. Additional conduits and junction boxes required to serve site-installed electrical systems can be incorporated within the pod design and manufacture upon request as signed off drawings.

### 4.4 Ventilation System

Ventilation and extract grilles can be accommodated within the pod design and installed within the pod wall or ceiling. Final connection from grill to main system would be carried out by the main contractor.

## TESTING & QUALITY ASSURANCE

Quality checks are carried out on every single pod produced. Each pod has a unique identification number and is subjected to a series of rigorous checks in line with quality assurance procedures. Testing is carried out on the production line, verified by QC inspector prior to pod being approved for dispatch.

All Hot & Cold water supply pipework is tested at 8.0 bar pressure for 20 minutes. Drainage pipework is subjected to an air test to qualify that pressure is maintained for a period of 20 minutes with use of air caps and hand pressure pump with gauge.

The complete electrical installation is tested by qualified inspector with tests carried out for insulation resistance, continuity, and visual operational test on appliances and fittings. All pods have an earth lug which is connected to the steel reinforcement.

Should any deficiencies be found during the testing or checking process, rectification works are carried out and the pod is subjected to a full re-test. The checks are traceable and a full set of completed, signed-off check sheets for each individual pod are available for issue to the client.

## PREPARATION FOR DISPATCH

### 6.1 Cleaning & Protection

Once all necessary testing procedures have been satisfactorily carried out the pod receives a thorough builders clean prior to being wrapped ready for dispatch. Protection is applied internally as necessary to avoid any damage during transportation. The temporary or final door is installed and secured and protection is applied as necessary. The pod is then fully wrapped in heavy duty polythene protection and is moved to storage ready for dispatch to site.



## DELIVERY, INSTALLATION, POD HANDLING, HANDOVER & COMMISSIONING

### 7.1 Delivery

Pods are normally delivered on flatbed articulated lorries. The number of pods per load is dependent on the overall size and mix of pods required. The delivery programme is agreed and tailored to the exact site requirements with just-on-time deliveries and pods loaded in the sequence of intended installation. All deliveries are based on full loads.

### 7.2 Installation

There is a wide range of options available in terms of how the pods are physically lifted, manoeuvred and located within the building structure. The method selected for any given project will be dependent on many factors with consideration given to type of structure, number of stories, method and sequence of construction, etc. In general terms, there are two main types of installation; Horizontal or Vertical.

### 7.2.1 Horizontal Installation

For horizontal installation, the pod is craned from the delivery vehicle and is normally landed on a platform at the intended installation level. Please see Photo Wow. From here the pod is wheeled horizontally through an opening in the side of the structure and into the building. This is by far the most common method and the one typically used in multi-storey construction projects allowing the main concrete structure to proceed in the traditional manner with Pods being installed slightly later in process once formwork for floor above has been removed. The platform will typically be a cantilever type or can also be formed by scaffold where practicable and overall storey heights allow.

In some cases it may also be possible to use a specially designed lifting cage or cradle that is used to lift the pod to the desired level. The cage is then strapped to the building and the pod is wheeled out and into the building.



On low-rise projects and lower floors of multi-storey constructions it may also be possible for pods to be lifted to an opening on the intended installation floor by use of a fork-lift.

### 7.2.2 Horizontal Installation

Vertical installation is based on pods being craned from delivery vehicle directly into their final location on the intended installation floor. This provides a very quick and practical option in low-rise structures using pre-cast floor elements or complete pre-cast concrete structures where the pods are delivered and installed on just-in-time floor by floor basis in conjunction with erection of the precast concrete elements.

### 7.3 Loading

In all cases, the pods are typically installed on a minimum of 4 No levelling points where loads will be transferred to the building structure. The overall weight of a bathroom pod is fully dependant on the project specific design and selection of finishes. However in general terms the following typical approximate loadings apply:

- 1200 Kg/m<sup>2</sup> for a concrete pod (concrete floor and walls)
- 450 Kg/m<sup>2</sup> for a lightweight steel pod (concrete floor and lightweight steel walls)

The building structure where the pods will be installed or sit upon must be suitably designed to accept the resultant pod loading.

### 7.4. Lifting

#### 7.4.1 Lightweight steel pod

The pod is supplied with 4 No lifting points. The lifting points are formed with full height zinc plated steel threaded rods. The rods are mechanically secured to inserts cast into the concrete pod floor and terminated above the pod with threaded sleeve connection to receive wire rope lifting eyelets. Threaded sleeves and wire rope lifting eyelets are supplied with the necessary test certification. Pods should be lifted using minimum 6m chains or slings, supplied by the main contractor, along with the tower or mobile crane.

#### 7.4.2 Concrete pods

Dependent on the size and weight of the pod a 10 12 or 15mm rebar lifting loop is cast into the wall of the pod. Secured in place by interlocking and tying to the reinforcement mess. The top of the loop extends approx 60 mm above or will be concealed in a pocket recess cast in the wall.

## SNAGGING PROCESS & HANDOVER

Bathroom pods are delivered to site with the pod door locked and secured. A programme of joint inspections is agreed with a representative from the main contractor, jointly they will open and inspect each pod. A simple pre-prepared check sheet is used to carry out a series of simple checks for completeness and quality of finish in each pod. Any deficiencies, missing items or damage is noted and responsibility for ratification and programme of works agreed. The pod handed over and the condition of the pod is accepted in line with the completed joint inspection check sheet and responsibility for any further damage or missing items passes to the main contractor.

## SERVICE & COMMISSIONING PROCESST

Our site representative will attend site to carry out commissioning of the pods once all mains connections (water & electrical supplies) have been made and are fully functional and at full working pressure. It is imperative that all site installed supply pipework is fully flushed prior to connection being made to the pod.

## WARRANTIES

### 8.1 Warranty, Maintenance & Defects

The pod structure has a 10 year warranty and all manufacturer's warranties are passed on.

The pods are supplied with a 12 months maintenance and defects period from pod handover.

# ABOUT

## METHOD STATEMENT



**Scope of Works :** Installation of Bathroom pods

**Site address :**

### Method of Works

1. The pods will arrive on site via wagon of suitable capacity to carry the load. This will be 3- 7 depending on truck size.
2. The wagon will be directed to the designated unloading station.
3. The Pod will be unloaded using 4 x numbers of certified lifting eyes. SWL two tonne each.
4. The Crane (supplied and supervised by others MINIMUM LENGTH 6 MTR ) lifting chains will then be attach to
5. The lifting eyes by competent personnel via a mobile ladder or if necessary by using a safety harness and lanyard clipped on at all times.
6. Care will be taken that the selected pod is the right type and right handed pod for that particular location.
7. The pod will then be lifted via the lifting hooks and lowered on to the pre prepared loading platform (by others)
8. Located as detailed on the traffic management plan. These are specially designed and tested to carry the load of the pod approx 3 ton.
9. The pod will then be unhooked from the crane chains by a competent person using a mobile ladder or wearing a safety harness and Lanyard which will be clipped on at all times.
10. The pods will then be transported and manouvered into and through the building following the route shown on the traffic management plan.
11. Care must be taken to ensure the correct pod is in the correct location. Each pod will be lined and levelled to pre determined grid lines and datum's, set by others, using plastic or metal shims.  
Upon completion of the installation each day, a joint inspection of the installed pods will take place. It is the main contractor's responsibility to co-ordinate this.

### Controls:

- The Pod Companies site Supervisor will oversee all work
- Site Main Contractor / client to ensure and maintain free and easy access at all time
- Site to provide clear access for the carrying out of each procedure
- PPE as appropriate to be worn at all times
- All site personnel will be inducted before working on the site.
- Toolbox talk to be given and recorded before works commence.
- Supervisor will attend Site safety meetings when required.
- All HSE and HMR site rules to be followed at all times.

**Checked and approved by : ..... Date : .....**

<b>Site:</b>		<b>Area / Location:</b>												
<b>Reference:</b>														
<b>Operations covered by this Assessment:</b> Site Installations														
<b>Maximum number of persons exposed:</b> 10														
<b>Frequency and duration of exposure:</b> Approximately 10 hours per day														
<b>Hazard</b>		<b>Frequency</b>		<b>Severity</b>		<b>Risk Rating</b>								
		<b>Number</b>		<b>I-L-M-H Before</b>		<b>I-L-M-H After</b>								
1	Working heights	3		6		18								
2	Trips and falls	3		5		15								
3	Electrocution	3		6		18								
4	Portable tools	4		5		20								
5	Injury to general public	1		3		3								
6	Manual handling	4		4		16								
7	Struck by mobile plant	2		6		12								
8	Load trapping person(s)	3		5		15								
<b>Frequency</b>			<b>Severity</b>											
1	Highly improbable occurrence		1		Negligible injuries									
2	Remotely possible but known occurrence		2		Minor injuries									
3	Occasional occurrence		3		Major injuries									
4	Fairly frequent occurrence		4		Severe incapacity									
5	Frequent and regular occurrence		5		Total incapacity									
6	Almost certain		6		fatality									
<b>Risk rating = Frequency x Severity</b>														
<b>I= Insignificant (0-7), L=Low (8-12), M=Medium (13-24), H=High (25-36)</b>														

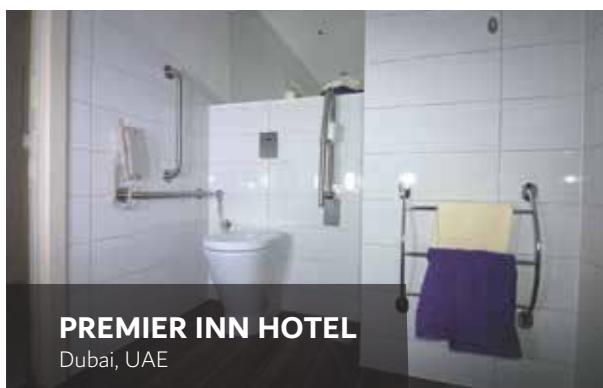
Statutory Regulations			Actions already taken		
1	HASAWA 1974	*	14	Permit to Work	
2	COSHH Regulations	*	15	Systems of Work	*
3	Electricity at Work Regulations	*	16	Safety Policy	*
4	Noise at Work Regulations	*	17	Safety Manual	*
5	Construction Regulations	*	18	Safety Machinery	*
6	Safety Sign Regulations	*	19	Training Records	*
7	Abrasive Wheel Regulations	*	20	First Aid	*
8	Fire Precautions Regulations	*	21	Emergency Plan	*
9	Manual Handling Regulations	*	22	Designated Persons	*
10	Display Screen Regulations		23	Induction Training	*
11	PPE Regulations	*	24	Contractors	*
12	Environmental protection	*	25	Safety Representatives	*
13	RIDDOR	*	26	Engineering Examinations	*
Other Regulations or Actions Taken					
Health and Safety Guidance GS6 – Use of cranes with overhead electric cables					
Action required			Responsibility and date for Action		
1	To reduce the risk of falling from height during the work process Harnesses must be worn		Works supervisor – at all times Operative		
2	To reduce the risk of injury through tripping or falling the supervisor /operative will ensure the area where he is working is kept in an orderly fashion. All equipment is set aside when not in use, with nothing left on the floor for persons to trip over.		Site supervisor – at all times Operative Main Contractor should maintain a Daily Housekeeping Regime		
3	To reduce the risk of electrocution, no persons are to work with electrical apparatus, eg joining cables. If any electrical fault occurs then the operative shall inform his supervisor who shall arrange for an electrician to attend to the problem.		Works supervisor – at all times		

<b>Action required</b>		<b>Responsibility and date for Action</b>
4	To reduce the risk of injury through using portable tools, all persons operating the tools will be trained and competent. Also work area as required.	Works supervisor – at all times Operative
5	To reduce the risk of injury to members of the general public, the site will be securely fenced off at all times	Main Contractor at all times- Site Works supervisor –Work area but not including clear passage way.
6	To reduce the risk of injury through manual handling / positioning, the operatives will be trained in the use of manual handling techniques.	Works supervisor – at all times Operative
7	To reduce the risk of operatives being hit by mobile plant, the operative shall be inducted by the main contractor, therefore making him aware of the identified traffic routes.	Main Contractor at all times Works supervisor Operative
8	To reduce the risk of operatives being trapped or crushed, the potential crush areas will be required to be cordoned off and operatives made aware of these areas, eg rear swing of the counterweight of the Crane and between the bathroom modules and the building structural walls during siting, etc.  Operatives are required to wear the correct PPE for the operation, eg boots, hard hats and gloves.	Works supervisor Operative
Assessor: .....		Date of Assessment: .....
Signed:.....		Review Date: .....
<b>Position:</b> .....		
Approval: .....		Date of Approval: .....
Signed:.....		Review Date: .....
Position: .....		

## SAMPLE PODS



## SAMPLE PODS



**PREMIER INN HOTEL**

Dubai, UAE

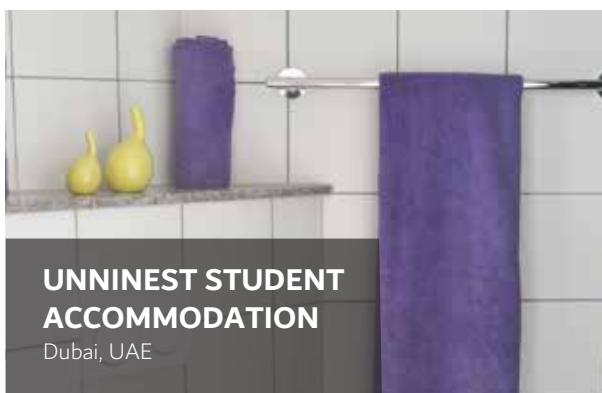


**4 STAR HOTEL**

The Palm Dubai



## SAMPLE PODS



**UNNINEST STUDENT ACCOMMODATION**

Dubai, UAE



**HOSPITAL POD**

## SAMPLE PODS



**MARINE HOTEL**

Dubai, UAE

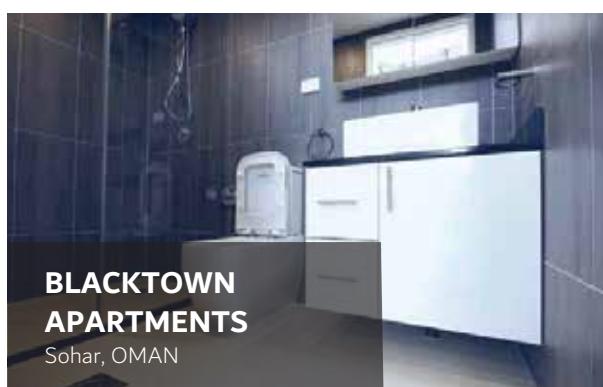


**MERCURE HOTEL**

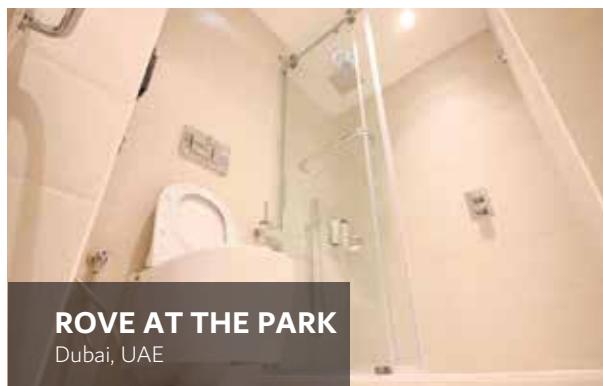
Sohar Oman



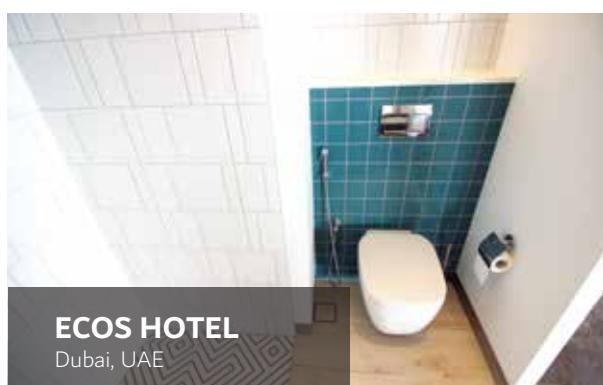
## SAMPLE PODS



## SAMPLE PODS



## SAMPLE PODS



## SAMPLE PODS



**ECO STRUCTURES**

Australia



## LIST OF PROJECTS

S.No.	Contractor/Owner	Project Name	Consultant	Location	Pods
1	Towers Technology Contracting Company LLC.	RLJ-13000034 Bp Headquarters Phase 2A		Basrah, Iraq	3480
2	Al Kifah / Red Sea Development	Staff Accommodation Coastal Village	Arcadis	Red Sea, KSA	2040
3	IMKAN & China State	Makers District Pixle	Rambol	Abu Dhabi	1190
4	Regency Homes LTD	Atrium Hotel - Hatton Cross		London, UK	626
5	Emaar / Shapoorji Pallonji	Rove hotel at the Park	Archgroup	Dubai	579
6	Emaar / Shapoorji Pallonji	Rove City Walk	Archgroup	Dubai	566
7	IMCO Holdings Ltd - Owner	Marina Gate Clinic and Hotel	Barajeel	Dubai, UAE	396
8	Khansaheb	Premier Inn AL Jadaf	Archgroup	Dubai UAE	389
9	Emaar / Trojan Contracting	Rove Hotel Lamer	Archgroup	Dubai	366
10	Faisal Holding / Frayland	Ecos Hotel	Naga	Dubai	287
11	Merhis International	Restwell Sydney Australia		Sydney AUS	287
12	Merhis International	Blacktown Phase II Sydney Australia		Sydney AUS	287
13	Khansaheb Civil Engineering	AL Jadaf Residential	OMAr Architect	Dubai	270
14	Al Mazrouel Bowyer Bldg. LLC	DRL-1 Student Accommodation Project-UNINEST	APG Arch and Planning	Dubai, UAE	249
15	Merhis International	Blacktown Sydney Australia		Sydney AUS	238
16	AL Abbar / Marriott	ALOFT The Palm Jumeirah	LA casa	Dubai	208
17	InterGlobe Hotels P. LTD	Ibis Hyderabad Hotel		Hyderabad, India	177
18	Action Hotel - Sohar Oman	Ibis Styles – Sohar	EIDC Oman	Sohar, Oman	141
19	InterGlobe Hotels P. LTD	Ibis Coimbatore Hotel		Coimbatore, India	128
20	InterGlobe Hotels P. LTD	Ibis Hotel Kochi		Kochi, India	110

## PROJECT MAP



**QHSE AND SUSTAINABILITY POLICY**

## **POD COMPANY**

### **QHSE and Sustainability Policy**

**POD COMPANY** is fully committed to QUALITY, HEALTH, SAFETY and ENVIRONMENT (QHSE) extends beyond our business and employees to Clients, Visitors, Contractors, Sub-contractors, Stakeholders and the Community at large and incorporating the principles of sustainable development throughout its business. We focus on constantly increasing our QHSE level by means of training clear procedures and measurable targets.

The Management and Staff of **POD COMPANY** shall;

Establish, implement and maintain a QHSE Policy that is appropriate to the purpose and context of the organization and supports its strategic direction;

The continual improvement for its Quality, Health, Safety, and Environmental performance standards and to protect the environment and the associated health and safety of its employees, clients or customers, suppliers, and the general public. Only through the cooperative effort of all can the best possible QHSE record be achieved.

Provide and maintain safe, environmental and healthy working conditions for all our employees, who are the company's most valuable asset. Also identify OH&S Hazards and opportunities and other hazards and opportunities for the OH&S management system.

Appropriate SMART objectives and targets are established and QHSE management programs are formulated.

Consult, communicate and collaborate with employees and other stakeholders on QHSE matters, QHSE Performance and other relevant matters.

Prevent injury and ill health to its employees and other interested parties by eliminating hazards and reducing OH&S risks.

Provide appropriate tools, equipment, operational processes, safe system of work covering all our activities and support reasonably required to insure success.

Prevent incidents, accidents, injuries, illnesses, environmental impacts and provide high quality services and products.

Where there are risks to health, safety and environment, Aspects need to be assessed under specific duty or regulations. We will ensure that our assessments are carried out and that all actions shown to be necessary will be implemented.

Operating within a management system which meets the requirements of ISO 9001, 14001 and 45001.

Comply with the applicable local and federal regulations, clients or customer requirements and to maintain a safe, pollution-free and Eco-friendly operating practice that complies with the applicable UAE legal and other client requirements.

**POD COMPANY** communicates this policy to all employees through training and daily management activities, both to ensure their understanding and to ensure that the policy is properly upheld. Our policy is made available to relevant interested parties upon request. The policy will be continually monitored and reviewed regularly, in orders to comply with any changes.

**MICHEL DIB HANNA**  
**GROUP GENERAL MANAGER**

Dated: 02-08-2019

## ENVIRONMENTAL POLICY

### ENVIRONMENTAL POLICY

With **POD COMPANY'S** core value for ethical business practices and the uncompromising integrity, our operations strive to protect the environment and ensure to be a responsible member of the community by complying with all applicable legal requirements. The aim of our environmental policy is to support the company within the guidelines of the UAE's legislation, International Standards (**ISO 14001**) and Environmental Best Practices. Therefore, a set of our guide principles are stated as follows:

#### ENVIRONMENTAL LEADERSHIP

Leadership in the business is the way of implementing the best practices which can also be considered as the key for every business success. To succeed as one of the best organizations, we must earn the public's trust on environmental matters throughout the business processes. This goal is applied on all the operations of each and every divisions of our business group.

#### WASTE MANAGENET

The company is committed to come up with the best waste management system not only to reuse but even to minimize the amount of waste materials being produced in our processes. We cultivate our concept to protect the environment through the philosophy of developing ideas for better solutions. Speed House is committed to the concepts of 3R's Principle:

- Reduction of wastes materials by proper segregation and recovery at the process
- Reuse of waste materials in other purposes
- Recycling of scrap materials, used oil and others (Local recycling companies)

#### CONTINUOUS DEVELOPMENT

The company shall establish measurement practices to track our environmental performance, as well as objectives to drive continuous improvement. Management Systems throughout our operations will continually assess the environmental impact of our operating facilities and products, and eliminate unacceptable risks to customers, employees and the communities in which we operate.

MICHE L DIB HANNA  
GROUP GENERAL MANAGER

# QUALITY ASSURANCE



COMPANY HAS A QUALITY ASSURANCE AND CONTROL MANAGEMENT SYSTEM

## QUALITY CONTROL MANAGER

Quality control manager and team will be allocated the project upon start of the production line.

## CHECK LISTS

Mould ID	DAY SHEET - CASTING PRE- POUR INSPECTION/ CASTING INSPECTION												Comments				
	PRE-POUR			CASTING			DEMOLDING										
	Form Condition	Form Dimensions	Release Agent	Inserts / Earthing	Reinforcement bars	Reinforcement Mesh	Lifting points	Earthing - welded	Drainage / drain slope	Castng Date	Level / Top finish	Concrete Batch Number	Floor number	Damaged- repair required	Lifting Points OK	Demold Date	
1 T2.03-ECH-010-R001	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2840	ECH-010-R001	✓	✓	✓	✓
2 T2.05-ECH-010-L001	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2840	ECH-010-L001	✓	✓	✓	✓
3 T2.03-ECH-010-R002	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2842	ECH-010-R002	✓	✓	✓	✓
4 T2.05-ECH-010-L002	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2842	ECH-010-L002	✓	✓	✓	✓
5 T2.06-ECH-010-R003	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2842	ECH-010-R003	✓	✓	✓	✓
6 T1.01-ECH-010-L003	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2832	ECH-010-L003	✓	✓	✓	✓
7 T2.03-ECH-010-R004	✓	✓	✓	✓	✓	✓	✓	✓	✓	01/08/2014	✓	2832	ECH-010-R004	✓	✓	✓	✓
8 T2.03-ECH-010-R005	✓	✓	✓	✓	✓	✓	✓	✓	✓	10/08/2014	✓	2840	ECH-010-R005	✓	✓	✓	✓
9 T2.05-ECH-010-L004	✓	✓	✓	✓	✓	✓	✓	✓	✓	10/08/2014	✓	2840	ECH-010-L004	✓	✓	✓	✓
10 T2.06-ECH-010-R006	✓	✓	✓	✓	✓	✓	✓	✓	✓	10/08/2014	✓	2840	ECH-010-R006	✓	✓	✓	✓
11 T2.01-ECH-010-L005	✓	✓	✓	✓	✓	✓	✓	✓	✓	10/08/2014	✓	2840	ECH-010-L005	✓	✓	✓	✓
12 T2.08-ECH-010-R007	✓	✓	✓	✓	✓	✓	✓	✓	✓	12/08/2014	✓	2846	ECH-010-R007	✓	✓	✓	✓
13 T2.05-ECH-010-L006	✓	✓	✓	✓	✓	✓	✓	✓	✓	12/08/2014	✓	2846	ECH-010-L006	✓	✓	✓	✓
14 T2.06-ECH-010-R008	✓	✓	✓	✓	✓	✓	✓	✓	✓	12/08/2014	✓	2846	ECH-010-R008	✓	✓	✓	✓
15 T1.01-ECH-010-L007	✓	✓	✓	✓	✓	✓	✓	✓	✓	12/08/2014	✓	2846	ECH-010-L007	✓	✓	✓	✓
16 T2.03-ECH-010-R009	✓	✓	✓	✓	✓	✓	✓	✓	✓	13/08/2014	✓	2850B	ECH-010-R009	✓	✓	✓	✓
17 T2.05-ECH-010-L008	✓	✓	✓	✓	✓	✓	✓	✓	✓	13/08/2014	✓	2850B	ECH-010-L008	✓	✓	✓	✓

THE POD COMPANY

THE POD COMPANY DRAINAGE TEST												PF-008			
												Rev 1 10-06-2017			
			Visual Inspection									TPC - 1305 ECOS HOTEL - DUBAI			
Date	Pod ID	Type No	Flood test WC	Flood test basin	Air Test 38mm	1 Basin waste/ trap	2. Shower / trap	3. Bath waste / trap	4. Bidet waste / trap	5. WC/Cistern Flush	6. Other	Id	Sign	Comments	
1	28/05/20	6155	✓	✓	✓	✓	✓	N/A	A/A	✓	✓	1140	<i>Alyan</i>		
2	28/05/20	6154	✓	✓	✓	✓	✓	N/A	N/A	✓	✓	1140	<i>Alyan</i>		
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
A: Material Item Fail			1 Bottle Trap Leak			5				9					
B: Joint fail			2 Waste Leak			6				10					
			3 Overflow			7				11					
			4 Waste Pipe			8				12					

Part of SPEEDHOUSE GROUP OF COMPANIES



The POD Company

Project: TPC-1305 - ECOS HOTEL - DUBAI

Form No: ...../4

## **GENERIC SCHEDULE OF TEST RESULTS**

Page ... of ...

THE POD COMPANY PRESSURE TEST - WATER INSTALLATIONS												PF-007		
FUNCTION TEST/ PRESSURE TEST												Rev 1		
Date	Pod ID	Type No	Pressure (Bar)	Cold Water	Hot water	1. Basin	2. Shower	3. Bath	4. Bidet	5. WC/Cistern	6. Other	Id	Sign	Comments
1	28/05/20	6165	8	✓	✓	✓	✓	N/A	N/A	✓	✓	1140	<i>Alyan</i>	
2	28/05/20	6164	8	✓	✓	✓	✓	N/A	N/A	✓	✓	1140	<i>Alyan</i>	
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
A: Material Item Fail			1 Angle valves			8 Hoses						14		
B: Joint Fail			2 Unions			9 Pipe fittings						15		
			3 Extension nipple			10 ball valve/ manifold						16		
			4 Mixers			11						17		
			5 Shower head			12						18		
			6 Shower arm			13						19		
			7 Ablution spray											

Part of SPEEDHOUSE GROUP OF COMPANIES

# QUALITY ASSURANCE



POD SPEEDHOUSE GROUP OF COMPANIES		1305 ECOS HOTEL - DUBAI								
		Water Leak Test , POD Floor						Rev1 11-06-2018		
		Water Leak Test Start time (24 h format)	Water Leak Test End time (24 h format) +24h hrs.	Check for any leaks Approved with no leaks						
Floor no/Id	Date	Start Time	End Time	Comments	MAIN CONTRACTOR	CONSULTANT	TPC ID	Sign		
1	ECH-010-R001	25/03/2020	07:50 AM 08:20 AM	✓ FLOOR READY FOR TILING			6832			
2	ECH-010-L001	25/03/2020	08:05 AM 08:35AM	✓ FLOOR PASSED FOR TILING			6832			
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										

THE POD COMPANY

Part of SPEEDHOUSE GROUP OF COMPANIES

# QUALITY ASSURANCE



 <p>The POD Company ECOS HOTEL DUBAI</p>	<p><b>POD SHEET</b> <b>1305</b> <b>01.00 L-0001</b></p>	<p>Pod_db_ID: <b># 06154</b></p>
---	---	--------------------------------------

FL 10 L-01

	Date	Cons Sign	POD Sign
1 <b>POD ASSEMBLY</b> : Inspection of pod assembly, Geometric check -- Dimensions acc to drawings - Wall alignment, Plum , Internal Angles, Board types .. Fixings etc. <b>LIFTING POINTS:</b> 2 Lifting Rod, lock nuts, All tightened, Secured	11/05/2020		
3 <b>WATER PROOFING - WALLS</b> : Waterproofing of walls, joints, penetrations - done according to dwg & manufactures recommendations	17/05/2020		
4 <b>PLUMBING 1<sup>st</sup> Fix</b> : Installation of 1 <sup>st</sup> fix pipe installations, fittings, manifolds - drainage, Box installations, cistern	16/05/2020		
5 <b>WALL TILING/ FINISHES</b> : Wall tiling setting out as per drawings. Tile adhesive & grout as per specification	25/05/2020		
6 <b>PLUMBING INSTALLATIONS</b> : Installation of 2 <sup>nd</sup> fix Plumbing, sanityware, fittings & fixtures, accessories	26/05/2020		
7 <b>ELECTRICAL INSTALLATIONS</b> : Conduits, boxes wires & cables. Complete install acc to dwg.	27/05/2020		
8 <b>WATER INSTALLATIONS TEST</b> : Function and pressure test of water installations, pipe work & fittings, fixtures - 8 bar/ 30minutes	28/05/2020		
9 <b>DRAINAGE TEST</b> : Function & leak & flush test, Cistern Flush, drainage slope	27/05/2020		
10 <b>ELECTRICAL TEST</b> : Visual & function test - shaver socket, lighting , Insulation & Continuity test	29/05/2020		
11 <b>OUTSIDE FINISHES</b> : Outside insulation & boarding as per drawing. Fire seal applied where required. Fire Wrap/ sealant done to drainage as per drawings			
12 <b>COMPLETION</b> : Ceiling finish, smooth finish. Silicone sealant applied to wall corners, around sanityware, vanity etc. Glass partitions installed . Pod is cleaned	01/06/2020		
<b>FINAL, PRE-DELIVERY INSPECTION:</b>			
13 <b>INTERNAL MATERIAL &amp; FIXTURES</b> : Internal materials, fixtures as per specification (material check sheet) All valves closed - Internal/ External -			
14 <b>FINAL CHECK</b> : Visual Final inspection, overall quality. All Check sheets signed - External drainage connection checked - electrical termination & phasing colour- Pod is cleaned ready for delivery			
Consultant - Sign/Date	Main Contractor - Sign/ Date	POD Company - Sign / Date	
POD CLOSED, WRAPPED AND LOCKED , READY FOR DELIVERY - POD ID FITTED TO DOOR		DATE:	SIGN:
Pod is closed with the following comment:			

 <p>The POD Company ECOS HOTEL DUBAI</p>	<p><b>POD SHEET</b> <b>1305</b> <b>01.00 L-0001</b></p>	<p>Pod_db_ID: <b># 06154</b></p>
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Comments	Date	ID no	Sign	
1 Curing height correction of wall height needs to be	11/05/2020	3514	✓	
2 Slight of plumb also at shower wall measurement	01/06/2020			
3 at the bottom side joint to be less by 3mm				
4 Wall screw cap not fitted properly	01/06/2020			
5 Front wall speed screw found to be out - needs to				
be tightened & filled with putty & painted	01/06/2020			
6 Masonry leg joint to be less inside against gives dry clearance	01/06/2020			
7 Grout gap shown to be done around the joint				
8 zip as highlighted inside POD especially	01/06/2020 8205	Dhoba		
9 Wall tile chipping found at shower area - needs	01/06/2020			
10 to be filled neatly & uniformly	01/06/2020			
11 Paint joints should be uniform & dry now - on				
12 shower socket side wall found little clumpy bubbles	01/06/2020			
<b>A POD ASSEMBLY</b>	<b>Date</b>	<b>Fail</b>	<b>Pass</b>	<b>Re-C</b>
1 Check pod type/ Naming - R/L - Label applied.		✓		
2 Pod assembled acc to wall panel plan - check wall types, board types		✓		
3 All walls set square, checked for right angle & plumb		✓		
4 All bolts fully tightened, lifting rod, lock nut fitted, top nut and insert welded		✓		
5 Wall alignment to floor- visible walls		✓		
6 Check critical dimensions		✓		
7 Timber for door frame fixing done		✓		
8	Date 11/05/2020	Sign	✓	
<b>B WATER PROOFING</b>	<b>Date</b>	<b>Fail</b>	<b>Pass</b>	<b>Re-C</b>
1 Reinforcement strip to all corners/ joints		✓		
2 Reinforcement strip to all pipe penetrations		✓		
3 2 coats of waterproofing to all walls/joints as per drawing		✓		
4 Waterproofing done 20mm up from floor		✓		
5 Boards for box frames waterproofed		✓		
6	Date 17/05/2020	Sign	✓	
<b>C 1st PHASE PLUMBING</b>	<b>Date</b>	<b>Fail</b>	<b>Pass</b>	<b>Re-C</b>
1 All pipes runs in walls & roof fixed as per drawings		✓		
2 All pipes secured and fixed to boards		✓		
3 Installations in box frames checked before boarding (pipe runs, drain slope etc)		✓		
4 bath installed level, solid & Fully sealed against wall		✓		
5 Drainage slope checked		✓		
6	Date 16/05/2020	Sign	✓	
<b>D 1st PHASE ELECTRICAL</b>	<b>Date</b>	<b>Fail</b>	<b>Pass</b>	<b>Re-C</b>
1 Main Junction box location/ type as per drawing		✓		
2 1st Phase electrical, - conduits, boxes as per drawings		✓		
3	Date 27/05/2020	Sign	✓	
4				

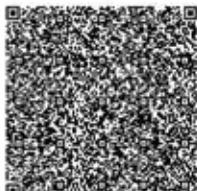
# QUALITY ASSURANCE



Project 1305	Type No 0000 / Mock Up	6155
ECOS HOTEL Dubai	01.00 R.001	
<b>A Finishes</b>		<b>Comments</b>
1 Shower Floor tiles: CN-FLANIL 3200 x 200 B002C Porcelain tile	✓	
2 Main Floor Tiles: Woodland Beige 119.8 x full length	✓	
3 Shower drain: Evidrain Alalfine - stainless steel top 700mm	✓	
4 Floor drain: Floor Tile Drain 100x100 cover: AQD-FC052-F-316-SS	✓	
5 Wall tiles Shower: VOGUE white 50x200/100x200/200x200 mm GHIACCIO	✓	
6 Wall tiles: VOGUE green/turkchese 100x100 ceramic tile	✓	
7 Tile Trim: SS Angle Trim	✓	
8 Vanity Top: 20 mm Quarz Vanity counter with 200 mm facia	✓	
9 Vanity Legs Frame: Stainless steel frame - SS 304	✓	
10 Cistern Top: 20mm Quarz cistern shelf	✓	
11 SS skirting: 100mm Stainless steel - SS 304	✓	
12 Glass screen: Low iron clear thoughned glass	✓	
<b>B Toilet</b>		
1 Toilet: : RAK Ceramics ONE wall hung toilet	✓	
2 Toilet Seat & Cover: UREA soft closing	✓	
3 Flush Plate: Geberit - Alpha 15 flush plate 115.045.21.1, Flush plate dual flush chromed	✓	
4 Abolition : Sanipex - Universal BDM-UNI-D212-CP bidet spray with wall bracket	✓	
5 Angle Valve: Plumbex PEX - Angle valve E 1/2x1/2 Chrome , CP.	✓	
<b>C Basin</b>		
1 Wash Basin: Sanipex - KUDOS cube BDS-CUB-102611-A-WH	✓	
2 Basin Mixer: Sanipex -IBIZA BDM-IBI-305-C concealed wall basin mixer	✓	
3 Pop UP Waste: Sanipex universal surface mounted pop up waste AQP-WBB-250-S-CP	✓	
<b>D Shower</b>		
1 Shower Column: Sanipex M line Diffusion Shower column with thermostatic mixer BDM-MLI-T503-CP	✓	
2 Hand Shower: Sanipex AQE-DIP-531-CP Diplomat/Senator 3 function handshower 3 function incl hose BDD-HOSE-202-CP	✓	
3 Shower Head: Sanipex Round shower head	✓	
<b>E Accessories</b>		
1 Toilet Roll Holder: Toilet Roll Holder with cover, chrome - Code: EST04 - WATERBURY (2x0)	✓	
2 Spare Toilet Roll Holder	✓	
3 Soap Basket: Corner Soap Basket, chrome - Code: NHS0 - WATERBURY	✓	
4 Towel Rack: Sanipex 654-CP 655/247/213 mm CP.	✓	
5 Grab Rail: Sanipex TBC BDA-HOT-302-A-CP	X	Note fitted, Only back support given
6 Clothes Line: Sanipex BDA-HOT-202-A-CP Retractable clothes line	✓	
7 Towel Ring: Sanipex Towel ring BDA-HOT-702—A-CP 196x70x150	✓	
8 Soapdispenser, single @ vanity	✓	Only wall mounted holder refitted
9 Soapdispenser, Double- shower	✓	Wall mounted holder only fitted
<b>F Door</b>		
1 Door Threshold: Quarz bathroom door threshold app 800x100 mm	✓	
<b>G Misc</b>		
1 Vanity Mirror: 6mm mirror with stainless steel frame	✓	
2 Glass shelves: 6mm tempered glass	✓	
3 Telmalco -ventilation Valve - TEV E - 100, white - Inc Ring	✓	
4 Dowcoring 785 white - (sanitary & Ceiling)	✓	
5 Dowcoring 785 clear- (Glass Screen)	✓	
6 Mapei Mapesil LM silicone white - vanity	✓	
<b>H Electrical</b>		
1 Light Fitting: 3 Nos. Recessed LED Down Light - NVC 13W (1), NVC 10W (2)	✓	
2 Bulkhead Light : LED strip light with separate driver	✓	
3 Shaver Socket: LEGRAND - Belanko shaver socket white dual voltage 115/230V - Code: 617069	✓	
	DATE: 09/07/2020	SIGN: 

## CREDITORS





## رخصة تجارية / Trade License

رخصة عادي - Regular License



License No. 66307 رقم الرخصة

ACCI No. 69722 رقم الشركة

Register No. 61931 رقم السجل التجاري

License Details		Renew License / تجديد رخصة	تفاصيل رخصة
Trade Name	THE POD COMPANY - L.L.C	الاسم التجاري شركة ذا بود - ذ.م.م	
Legal Form	Limited Liability Company	الشكل القانوني شركة ذات مسؤولية محدودة	
Expire Date	2023-05-19 تاريخ انتهاء	Issue Date 2013-05-09 تاريخ الاصدار	

Passport / رقم الجواز	Nationality / الجنسية	Manager Name / اسم المدير
RL3639506	لبنان Lebanon	ميшел ديب حنا MICHEL HANNA

Activities		الأنشطة	
Metal Establishment Contracting		مقلولات المنشآت المعدنية	
P.O. Box	Contract Expiry Date	Lessor / اسم لessor	Address / العنوان
627		دبي حنا	مكتب رقم 4، عجمان الصناعية OFFICE No. 4, Ajman Industrial
Details			

Emp No. رقم الموظف	Voucher Date. 2022-07-07 تاريخ الإيصال	Voucher No. 30157651 رقم الإيصال
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Print Date 2022-08-17 تاريخ الطباعة
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وأليفة الكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية - عجمان. لمزيد معرفة البيانات الواردة في الرخصة برجاء زيارة الموقع الإلكتروني [www.ajmanded.ae](http://www.ajmanded.ae)  
 Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit [www.ajmanded.ae](http://www.ajmanded.ae)

## RECOMMENDATION LETTER



Our Ref: J411\_BD\_2015.12.16

TO WHOM IT MAY CONCERN.



16<sup>th</sup> December 2015

**Project: J411-Uninest, 2 B+G+9+ R Building @ Plot No. 648-8624 at Wadi Al Safa-5, Dubai Land.  
Subject: Letter of Recommendation – The POD Company.**

AMBB have with great satisfaction used pre-engineered bathroom pods from **The POD Company**, and experienced a good consistent quality of finishing in all the bathrooms.

We have saved considerable time, labour, co-ordination and supervision of the relevant trades on the building. This has lead to an acceleration of the program. The introduction of bathroom pods with a quality that requires minimal commissioning and snagging has allowed us to hand over the project faster and allowed a greater consistency of quality than with traditional construction.

**The POD Company** have been a great support throughout the whole design and build process.

The coordination and planning has aided the overall team realise a simplified solution to an area of work in traditional construction which can cause a number of problems, we are currently considering bathroom pods from **The POD Company** for future projects.

Yours sincerely,  
for AMBB BUILDING,

Byron Davies  
General Manager



**AMB BUILDING CONTRACTING LLC**



ايه ام بي بي لمقاولات البناء ش ذ م م

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P.O. Box 392871 • Dubai • United Arab Emirates • Tel: 04-3467274/3392977 • Fax: 04-3468245 • E-mail: info@ambb.net

# RECOMMENDATION LETTER



**KHANSAHEB**

**KHANSAHEB CIVIL ENGINEERING L.L.C.**  
**Construction Division**  
Al Rashidiya  
P. O.Box 2716  
Dubai, United Arab Emirates

**خانصاحب**

خانصاحب للهندسة المدنية ذ.م.م.  
قسم الإنشاءات  
الراشدية  
ص.ب ٢٧١٦  
دبي، الإمارات العربية المتحدة

To Whom it may Concern

Re: The Pod Company - Letter of reference

We recently utilized The Pod Company (TPC), for pre-fabricated bathroom pods on a hotel project in Dubai.

The main attributes of The Pod Company are as follows:

Design - During the pre-construction and design phase, TPC were proactive in managing the design process. Designers were allocated to the project and they greatly assisted with difficult interfaces and co-ordination details.

Material submittals and ordering - TPC managed the submittal process, advised on suitable alternatives and helped to manage the ordering and delivery process.

Manufacture - TPC worked to achieve programme timescales, and the factory was always open and available for viewing.

Quality control - TPC have a stringent quality control process, which they willingly linked to our own procedures. The management of TPC ensured that quality procedures were adhered to at all times. The result of this was a high quality final product.

Delivery and installation - TPC effectively managed the delivery, offloading and installation process in line with our programme requirements. The TPC site staff followed the requirements of the site and always held health and safety in high regard.

We look forward to working with The Pod Company in the future, and I have no reservations regarding recommending them as a business.

Regards

Paul Watton (BSc Hons)  
Divisional Design Manager

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## RECOMMENDATION LETTER



شركة صحار العملاقة للفنادق ش.م.م  
**ACTION HOTELS SOHAR L.L.C**

Date : 5<sup>th</sup> May 2017

Attention : To Whom It May Concern

Project : Mercure Sohar Oman

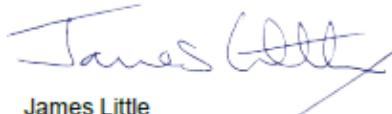
### Letter of Recommendation for The Pod Company

Action Hotel has successfully used bathroom pods from The Pod Company at our Mercure hotel in Sohar, Oman.

Off-site construction of the bathrooms worked well, with all the different trades involved in the bathroom being designed and coordinated at an early stage in the factory. The two reference pods were built, signed off and approved off-site, and bathroom pods were then delivered to site with minimal subsequent snagging required.

The pods secured us a consistent high quality and we are happy to recommend bathroom pods from The Pod Company. As a company, we will try to include bathroom pods in our future projects.

Yours sincerely,

  
James Little  
Projects Manager

  
ACTION HOTELS

السجل التجاري رقم: ١٢٠٩٥١٢، صندوق البريد: ١٥١٤، الرمز البريدي: ١٣٠ العذبة، سلطنة عمان  
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[www.actionhotels.com](http://www.actionhotels.com)

## RECOMMENDATION LETTER



**imco holdings Ltd**



إمكو وورلدز ليمتد

P.O.Box: 54422, Dubai, U.A.E, Tel. : [REDACTED], Fax: +971 4 2997474, E-mail: [REDACTED]

### Letter of recommendation

#### Bathroom pods – The POD Company

The POD Company is supplying the bathroom pods for our 5 Star hotel in Dubai, and we are very satisfied with the high consistent quality and high standard of workmanship received from **The POD Company**.

**The POD Company** has been a great support throughout the whole design and build process and we have achieved the function and design intent of the hotel through several workshop meetings together with the experienced technical design team from **The POD Company** and our MEP contractor and consultant.

The reference pods were built to a very high standard and sign off for production without further comments.

We can recommend using bathroom pods to achieve a high consistent quality to fixed and agreed price and detailed layout and the highly experienced technical team at **The POD Company** has shown the required attention to the bathroom and its connection and with the consideration of the MEP to the rest of the project, and we fully recommend **The POD Company** as a professional and reliable manufacturer of bathroom pods

Yours sincerely,



IMCO Holding Limited

Email:info@imcoholtidings.com

Tel: +971 4 4342906

Page 1

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**The POD Company**  
A SPEED HOUSE GROUP COMPANY

**A SPEED HOUSE GROUP COMPANY**

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