



UNION PRECAST FACTORY

A SUBSIDIARY OF **HBK**
Contracting Company



Where concrete comes to life...

A proud member of



MISSION

Our mission is to build a long term, mutually productive and profitable relationship with our clients and suppliers through professional work ethics. We are dedicated to providing excellent service in construction and the prefabrication of construction items. We ensure quality of the work, safety of the team and environment and on-time handover of projects.

VISION

Our vision is to supply the quality projects in the time up to the satisfaction of our reputable clients as per the international codes and standards.
Our vision is to be the best and most respected construction and building products company currently operating in Qatar.

Our FACILITY includes complete space for:-



Precast Concrete Area



Steel Fixing Area



Carpentry Workshop



Batching Plant



Fabrication Workshop



Stockyard & Logistic



Concrete Laboratory



OUR GENESIS

Union Precast Factory L.L.C., Qatar (UPF) specializes in the design, manufacture, supply and erection of precast concrete products in the State of Qatar. A proud member of American Concrete Institute (ACI), Precast/Pre-Stressed Concrete Institute (PCI), British Safety Council and Qatar Chamber of Commerce and Industry. We are also an ISO Certified for 9001:2008, 14001:2004 Standards and BS OHSAS 18001:2007.

All elements in our factory are manufactured in a controlled environment under the strict supervision of our experienced and well-trained technical staff who closely monitor the production process of all elements from the design stage to erection. UPF employs its own in-house design team that specialized in providing cost and time saving design solutions to our clients. Our highly skilled erection teams are equipped with all the necessary tools and machinery and are highly mobile and flexible, capable of mobilizing quickly in all parts of Qatar with little notice.

The production facility at UPF is capable of producing 5000 m³ of precast concrete per month with a full time workforce of 250. **As part of the HBK Group of Companies**, Union Precast Factory has established itself as a market leader in the field of precast concrete.

Our **precast** products include boundary walls, wall panels, columns, beams, footings, precast staircases, T beams, double T slabs, precast slabs, precast façade cladding, MSE wall system, underpass structures based on Matiere system, concrete barriers, road barriers, cable trenches, pulling chambers, precast manhole, precast soakaways, concrete blocks, hollow core slabs, culverts, precast holding tanks, crane ballast, sinkers, tunnel lining segments, planter box, wheel stopper, precast curbs, pole foundation, duct marker, E & W cabinet, JRC chamber, floating pontoon blocks, etc. The **Glassfibre Reinforced Polyester (GRP)** and **Glassfibre Reinforced Concrete (GRC)** will be an addition to our product line soon.

We are one of the few companies capable of providing concrete precast elements with different surface treatments such as exposed, colored or natural stone cladded and other architectural elements such as external wall cladding and decorative elements.

Our professional design team can provide complete proposals and engineering solutions for all structures, effectively converting conventional RF frame buildings to Precast Buildings without sacrificing any of the aesthetics of the original design.

Our solutions are effective, economical and saves time. We also provide all the technical support, information of design calculations required to obtain approval from all governmental departments.

QUALITY AND HSE

The management of UPF's dedication to quality and efficient management have led us to spearhead an initiative to acquire the (ISO 9001:2008, OHSAS 18001:2007 & ISO 14001:2004) Certificate for "Provision of Services for Production, Supply and Installation of Precast Concrete Products in the State of Qatar", which was successfully achieved in December 2013.

All management processes and procedures go through rigorous internal audits so as to guarantee maximum efficiency.

UPF takes all necessary measures to ensure that all its employees are safe from injury and risk while at work on-site and in the factory. UPF ensures that all work practices and procedures of the company are in accordance with the Acts, Regulations, Code of Practice and Guidelines governing Occupational, Health & Safety.

All employees are expected to take all practical and necessary measures to ensure a safe and healthy work environment.

The Management of UPF has the responsibility to monitor and maintain the safe working environment and conditions at any work place that is under the management and control of the company.

Those persons with a supervising role are responsible for ensuring that all employees under their control work in a safe manner and report any health or safety hazard to the Management.

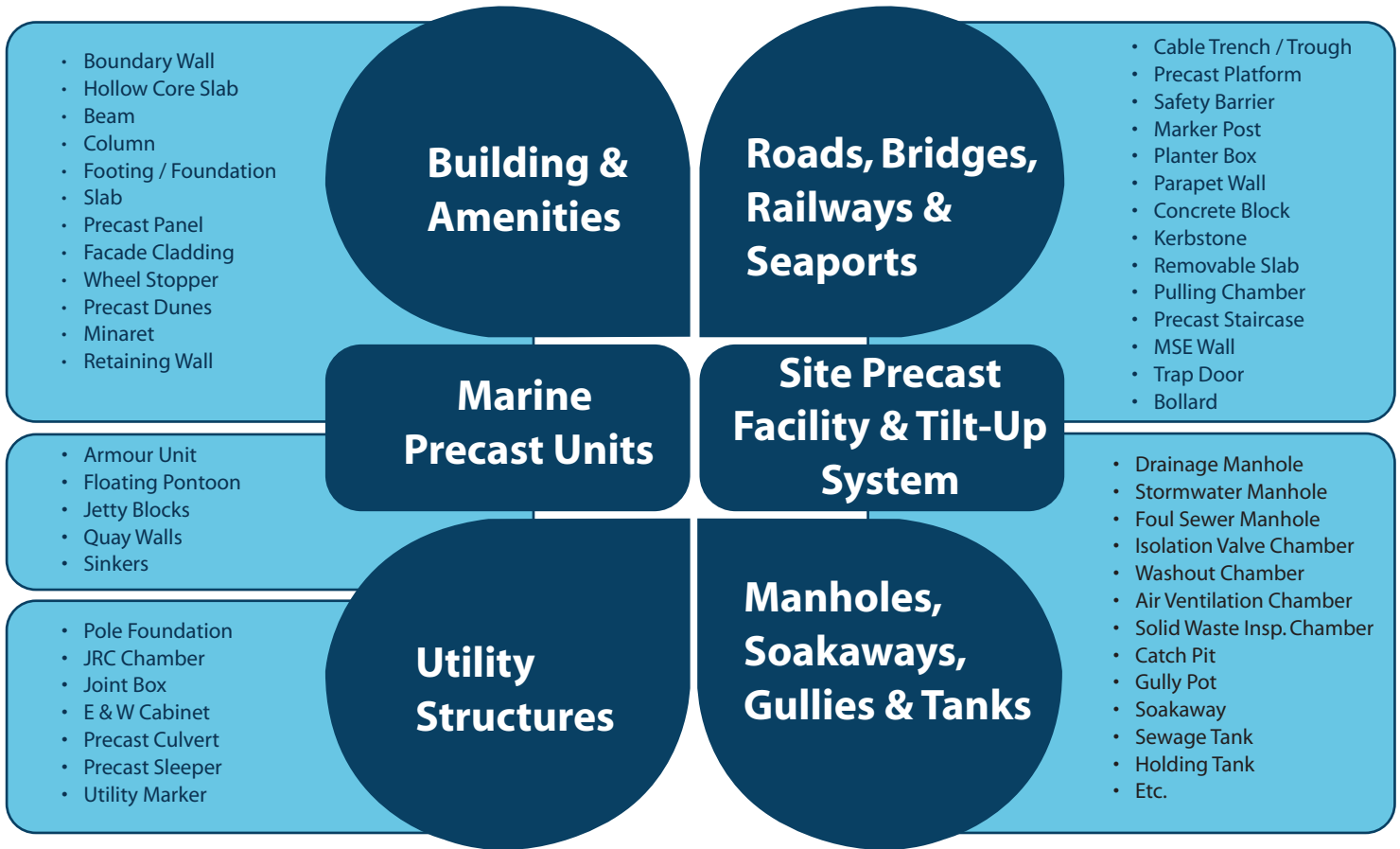
Employees, in their own interest and obligation, have the responsibility to ensure that nothing is done to make health and safety provisions less effective.

UPF also commits to protect the environment by preventing pollution, controlling adverse environmental impacts and adhering to the legal and other requirements that relate to our environmental aspects.

Finally, our aim is to integrate the management of occupational health and safety with the management of all other major functions of the company.



SITE PRECAST FACILITY & TILT-UP SYSTEM



Certified ISO 9001:2015, ISO 14001:2015 & BS OHSAS 18001:2007

- Operating with latest machineries and extensive inspection facilities, we ensure that all specifications are met and Precast Concrete Solutions of the highest quality are delivered to our customers.
- Upgraded our Management System [ISO 9001 (QMS) & ISO 14001 (EMS)] to the newest 2015 version.
- Added new provision in our IMS which is the DESIGN.
Created new manuals and procedures for all department to streamline processes and activities.
- New departments/sections were created (i.e., Estimation & Invoicing, HR & Admin., Logistics, IT, Maintenance & Design).
- Two ICQ-IRCA Certified Lead Auditor (ISO 9001:2015 – QMS)

BUILDINGS & AMENITIES

We at UPF (Subsidiary of HBK Group) manufacture wide range of Hollow core Concrete Slabs to meet our customers exact requirements, no matter how complex the project. The standard Hollow Core Slabs are Pre-stressed Precast extruded Slab element with thickness of 150 mm, 200 mm, 265 mm, 320 mm and 400 mm and 500 mm.



Keeping the huge requirement of Qatar market in mind, we at UPF offer Precast Boundary Wall of Various Design to our client that fulfills the modern requirements of stronger, more durable, and economical than a traditional wall.





SITE PRECAST FACILITY & TILT-UP SYSTEM

How tilt up works?

How tilt up works? In simple terms, Tilt up is a method of pre-casting external wall panels on a casting bed and then erecting the same in place. When combined with pre-cast, tilt up offers unmatched advantages over conventional construction.

Construction Sequence

First a casting bed is prepared (usually the slab on grade is utilized as casting bed). A bond breaker (which also acts as curing compound) is applied to the casting bed. End forms are installed and all rebar works are completed. All MEP inserts, builders work etc. are formed.

All lifting inserts are placed in the pre-determined locations of the tilt up panel.

Concrete is cast and once concrete has achieved desired strength that is needed to enable lifting, lifting operation is carried out.

Panels are lifted and installed. These panels are braced (braces could be both, external or internal) in Qatar Academy, we are bracing externally to allow finishing works to commence early.

Finishing and MEP works can commence immediately after installation of panels.

Braces are removed when pre-cast elements are erected and structure is fully braced.



MARINE PRECAST UNIT

Precast concrete elements are increasingly used for maritime structures as they offer efficient unit production and rapid construction. Precast elements can be of many forms to construct a variety of maritime structures : Armour Unit, Floating Pontoon, Jetty Blocks, Quay Walls, Sinkers & Vice Versa.

ROADS, BRIDGES & RAILWAYS



Road barriers are commonly used as temporary safety devices for traffic control during construction of infrastructure projects or as permanent safety devices on highways, bridges or tunnels. There are different tested shapes depending on the specifications. Common shapes are the New Jersey or F-shape profile as single or double face barrier. These shapes are used across the world and accepted by road authorities.





UTILITY STRUCTURES, MANHOLES, SOAKAWAYS, GULLIES & TANKS

Our utility structures are manufactured, supplied and erected throughout Qatar. Such Precast Structures can be manufactured in wide variety of shapes, sizes, textures and vice versa to meet individual and specific requirements. Perfect for communications, electrical, gas or steam systems, precast concrete utility structures protect the vital connections and controls for utility distribution. Precast concrete is nontoxic and environmentally safe. It resists buoyancy, making it an ideal material for use in all underground applications.



UPF Precast Solutions produces circular, precast, concrete manholes, soakaways and vice versa in various diameters and variety of inlets/ outlets. Precast, concrete manholes are most frequently used for pipeline and sewer entry and are easy to install and low in cost.

UPF IS EQUIPPED WITH THE FOLLOWING LIST OF KEY EQUIPMENT & MACHINERIES :-

- 2 covered production sheds 23m x 210m each.
- 6 No's Hollow Core Slabs casting lines that can produce 800m² of slabs per day of various thickness 150mm to 500mm with all required fully automated hollow core machines.
- The factory in Mesaieed, Qatar operates with computerized slip former equipment.
- The factory in Mesaieed, Qatar operates currently with free casting areas for any kind of precast elements up to ca. 20t single weight.
- The factory in Um Saeid, Qatar operates currently 16 hydraulic tilt tables 8 x 4 meters.
- Fully computerized Liebherr batching plant with enclosed aggregate and sand silo, cold water plant and ice making machine and other accessories with a casting capacity of 200m³/day.
- Comprehensive concrete laboratory facility.
- 4 overhead crane inside the double shed capacity up to 20 tons.
- 16t gantry crane in the storage yard.
- Carpentry workshop.
- Welding workshop.
- Reinforcement workshop.
- Concrete laboratory.
- Mobile Cranes 25t to 80t SWL capacity.
- Trucks Flatbed, A-Frame, Low Bed, special trucks up to 100t capacity.





SOME OF OUR REGULAR CLIENTS ARE:





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