



Project

Al Bayt Stadium, Qatar

FIFA World Cups are always highly anticipated events and building a uniquely Qatari stadium, to rival the best in the world is no easy challenge. Al Bayt Stadium is located in the northern city of Al Khor and takes its name from Bayt al Sha'ar - tents historically used by nomadic people in Qatar and the Gulf region. Like a true nomad's tent, it will be portable. The top tier of seating will be removed following the FIFA World Cup Qatar 2022™ and given to developing nations that need stadium seating - a lasting reminder of Qatar's generous spirit.

Acknowledging Qatar's famous hospitality, Al Bayt Stadium will welcome guests from far and wide, entertaining them and inviting them to experience the country's traditional culture. The 60,000-capacity stadium will host matches right through to the FIFA World Cup Qatar 2022™ semi-finals.

The stadium will be surrounded by impressively landscaped plazas and parking sites and will not only meet all FIFA criteria, but also environmental and sustainability guidelines set out by GSAS standards. The Supreme Committee for Delivery & Legacy, the organization responsible for delivering the infrastructure for the tournament has ensured the stadium was designed in a way to allow hosting football at moderate temperatures even in summer heat.

Case Study

WATER

LOCATION

Al Khor City, Qatar

END USER

Aspire Zone

CONTRACTOR

Bin Omran Trading and Contracting
GSICJV

CONSULTANT

KEO International Consultants

YEAR

2016

PRODUCT

Fiberstrong™

“Future Pipe Industries worked to enhance and optimise the design by providing engineering solutions through delivery of 16 Km of Fiberstrong™ Glass Reinforced Plastic (GRP) pipes and fittings. Our dedicated Field Services team were responsible for on Site Supervision.”

Behind the scenes lies a huge infrastructure which will work seamlessly to operate the stadium efficiently and run at full capacity while the rest of the world watches on. Future Pipe Industries has delivered critical elements of this infrastructure in terms of a fiberglass pipe system used for storm water. The project has used a range of pipe with diameters ranging from 400–1800mm suitable for pressure applications of 16 barg with stiffness of 10,000 N/m². In total, Future Pipe Industries supplied 16 Km of Fiberstrong™ Glass Reinforced Plastic (GRP) pipes and fittings.

Future Pipe Industries has worked to enhance and optimise the design by providing engineering solutions. Our dedicated Field Services team were responsible for on-site supervision. The stadium's infrastructure benefited from the use of large diameter GRP pipes (up to 1800mm) for storm water application as a more suitable alternative to the smaller diameters Vitrified Clay (VC) pipes. Glass Reinforced Plastic (GRP) provides complete confidence when dealing with surge pressure, installation time and local support.

GALLERY



Trench Preparation



Fiberstrong GRP Pipe with Double Bell Coupler



Fiberstrong GRP – work in progress

PRODUCT SPECIFICATIONS



DIAMETER
400 mm - 1800 mm



PRESSURE
16 barg



PIPE SUPPLIED
16 km



JOINTS
Double Bell
Coupler



DELIVERING
Storm Water

Need More
Information?

Please get in touch with us
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