

## Pre-cast concrete specialist, Corestruc makes waves in Limpopo

*Corestruc, a well-known construction company in Polokwane, Limpopo, specialising in modular pre-cast concrete, continues to impress with its capabilities and portfolio across projects for the public sector including reservoirs, water-treatment works, bridges and stadia, through to private sector retail, industrial and commercial property developments.*

The company's most recent project, this sports stadium in the Collins Chabane Local Municipality near Louis Trichardt, is testimony to Corestruc's innovative design and construction capabilities in the application of pre-cast concrete systems – helping client bodies and their professional teams accelerate construction times and build more durable structures.

Corestruc is working alongside A & P Civils & Trading on this project, which is being driven by the Collins Chabane Local Municipality.

The new sports complex will feature a grand stand with a seating capacity of up to 2 500 spectators. The bulk of the 18-bench podium is being built using a pre-cast concrete system from Corestruc.

The columns and rafters form the basis of the structure and were designed specifically for this grand stand, with the balance comprising the company's standard stadia pre-cast concrete items that are adapted to specific project requirements.

Corestruc's Russell Hobbs says that the popularity of the company's systems can be attributed to the speed at which they can be installed, mitigating risk by allowing the most complex aspect of the complex to be completed early.

"Our teams have completed similar projects in as little as eight working days, including the pavilions for the earlier Sekgopa and Lebeka sport complexes," says Hobbs.

The company's teams arrived on site once A & P Civils & Trading had completed the earthworks and site terracing for the stadium.

After casting the concrete bases and installing the connection bolts, the columns were fixed in position and aligned.



*Corestruc's pre-cast concrete systems have been widely deployed on a host of stadia construction programmes due to the many benefits they offer client bodies and their professional teams*

With regard to challenges, each project is unique, and Hobbs says this one certainly presented its share of challenges: "We had to deploy a 160 ton mobile crane to lift and place the 20 odd back columns, each weighing in at 12 tons. Apart from the complexities of accessing the sites, we also had to strategically place it to lift each pre-cast concrete segment while work was forging ahead at the other construction faces," says Hobbs.

The main contractor started with the brick works at the front of the grand stand to accelerate the works while Corestruc started placing the raking columns.

Gradually working its way to the back and below the structure, A & P Civils & Trading had completed more than 90% of the brick work by March, with Corestruc only having to place the roof slabs over the VIP and changing rooms to complete its aspect of the project.

By doing away with any erection and dismantling of scaffolding and formwork, as well as the large number of people working at height, the company's technology also contributes towards a safe site. ■



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