



MSC NEW PASSENGER TERMINAL

This project will be the new Passenger Cruise Terminal (point of entry) for all cruise vessels that will berth at Durban Harbour. This project was two years in the design phase and went through many changes in the overall appearance before arriving at the current and final design we see today.

The design of the building is unique and now serves as a landmark building in the area. Such a unique design obviously came with a multitude of design challenges that needed to be overcome by the design team and the main contractor.

Using state-of-the-art 3D modelling technology the design idea was brought to life. On this project the contractor made use of BIM360 to manage, issue drawings and information. BIM360 was also used to record and manage quality control on site. Stefanutti Stocks also made use of 3D scanning technology to generate a 3D model of the as built structure prior to the structural steel being installed.

Probably the most unique and eye-catching feature of the building is the geometrically shaped roof design and subsequent multi coloured cladding. The cladding system was a proprietary system that was designed, supplied and installed by sub-contractor, MRC. The system is made up of roof sheeting that is fixed to a structural steel frame.

Another unique design feature of the building is the internal ceilings which were constructed from imported birch ply. These boards were cut into custom sized triangles

and installed onto the ceiling grid which followed the shape of the roof structure.

This project, although not green star rated, does have some innovative energy saving features.

Throughout the contract duration, Stefanutti Stocks as the main contractor, sourced locally produced materials where possible. There was a waste management system on site whereby all waste was separated into different receptacles (steel, plastic, paper and general waste) and sent away to the necessary recycling depots.

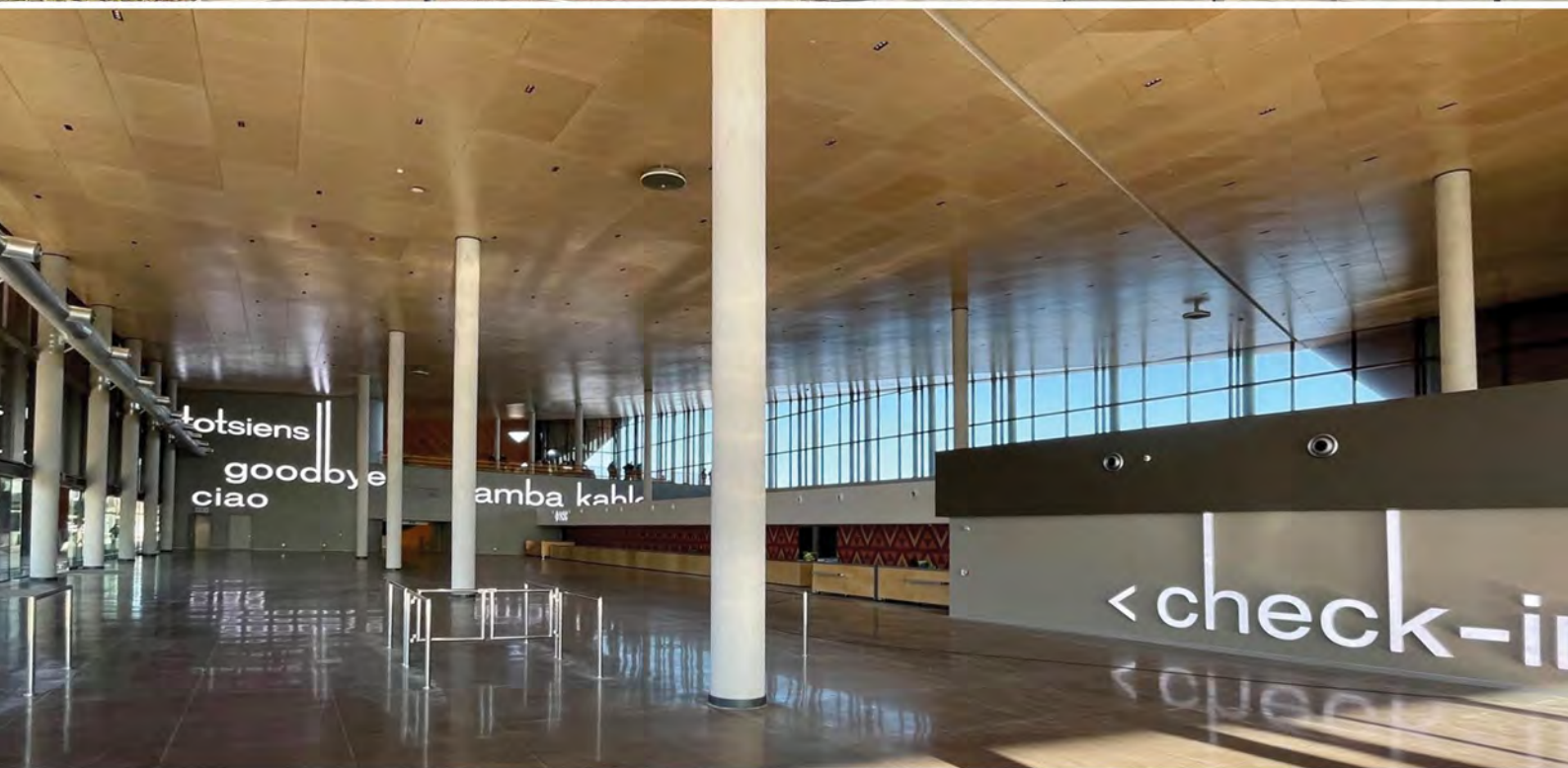
An interesting fact about this building is that it was a privately funded government institution. It is built on state owned property which serves as a point of entry. The private client invested heavily in a project that will ultimately become a state owned asset, but they felt in order to service their growing business (cruise liner tours) this was a necessary expense.

An unknown fact about this project and will mostly go unnoticed is the quay side. Due to the size of the cruise ships that will be docking alongside the terminal the keyside of 24 bollards needed to be upgraded. This was a last minute issue which was bought up at the eleventh hour.

Fortunately, with Stefanutti Stocks being a multi-disciplinary service provider it was able to provide a working solution and managed to upgrade the quayside concurrently with the construction of the terminal. ■

PROJECT INFORMATION

- **Company entering:** Stefanutti Stocks
- **Project start date:** 11 November 2019
- **Project end date:** 7 September 2021
- **Client:** KwaZulu Cruise Terminal
- **Main Contractor:** Stefanutti Stocks Coastal
- **Architect:** Elphick Proome Architects
- **Principal Agent:** Turner and Townsend
- **Project Manager:** Turner and Townsend
- **Consulting Engineer:** Arup



KWAZULU CRUISE TERMINAL | DURBAN POINT


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