

FIRM'S REFERENCE	
ASSIGNMENT NAME New Vinimark Warehouse	LOCATION Klapmuts, Stellenbosch
NAME OF CLIENT Vinimark Trading (Pty) Ltd	PROFESSIONAL STAFF PROVIDED BY THE FIRM AND FUNCTIONS PERFORMED Wehan Wessels (Pr Eng) Zac Mouton (MSc Eng)

DURATION OF ASSIGNMENT		NAME OF ASSOCIATED CONSULTANTS
1 Year		
START DATE	COMPLETION DATE	
January 2015	December 2015	HKQS Stander Orchard Architects CA du Toit Western Cape Transport Telematics Africa
APPROX VALUE OF PROJECT		
R 3 146 000		
NARRATIVE DESCRIPTION OF PROJECT		
<p>When Vinimark, The Wine Company, decided to build a large new facility for the existing Strand distribution center, they approached CA du Toit and TTA through HKQS for the fire, mechanical, electrical and electronic professional services.</p> <p>This new facility in Klapmuts is their third newly constructed distribution center in three years, consisting of 10 000 m² including office space of 1000 m². TTA was appointed for the design, specification and management of the implementation for all the ICT services.</p> <p>In order to allow for the client's needs regarding CCTV, access control, VoIP and general use, a CAT6 installation of more than 300 network points was required. The large size of the premises and the wide spread network requirements necessitated a primary LAN room, with three secondary network nodes spread over the site. The four network nodes were connected in a fiber ring system using multimode optical fiber to create multiple physically separated network rings. A combination of POE and non-POE network switches was used in order to save costs while still allowing POE for peripheral devices.</p> <p>The main internet connection was achieved using optical fiber, with a back-up ADSL internet line was also installed. The office area has WiFi coverage for internet use, with additional access points granting limited network access in the guardhouses for the portable biometric access control devices.</p> <p>The VoIP system uses an IP PBX and a variety of phones. As part of the VoIP solution the whole warehouse has DECT coverage for wireless telephones. The public address system is also integrated with the VoIP system, allowing for easy use by warehouse staff.</p> <p>Working with a client who knows what they want, an excellent professional team and a great Main Contractor lead to this being a smooth project with very few hitches.</p>		
DESCRIPTION OF ACTUAL SERVICES PROVIDED BY THE FIRM		
Electronic engineering and project management services, including concept and viability estimates, design development, documentation, contract administration and inspection, and close-out of the electronic services contracts.		