

Section 1.2.2: Information Technology

IT Security Penetration Test

The primary objective of this engagement was to determine whether vulnerabilities existed on JPC's network, as well as to determine how deep a malicious hacker could penetrate the JPC internal and external network. Physical access to JPC Braampark was also conducted to determine the possibility of an intruder gaining access to the building.

The two tests were successfully performed and it was concluded that the network of JPC was well protected not only internally, but also externally. Regular penetration tests promote a proactive measure that IT engages to prevent the JPC network from being hacked internally or externally. This ensures that the information and information technology of JPC are secure and managed appropriately, in line with good governance practices.

User Connectivity to Facility Management System

The JPC Information Technology Unit has completed setting up production and quality assurance server infrastructure for the facilities management system, and also incorporating App on the Go. This enables access to the facilities management system from mobile smart devices such as cell phones and tablets, as envisaged by the Smart City Concept.

The production environment will host the Work Management Centre, which is the central call centre where agents will facilitate, manage and coordinate work orders for the Facilities Management Unit in the future. The quality assurance environment will be used for further development, testing and redundancy in the event of failovers. The measure will ensure business continuity.

This environment has enabled Web-based connectivity to the WMC from any JPC facilities depot in real time. The mobility access (App on the Go) will allow portfolio managers to access the WMC from any smart device with internet access in the future.



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