Title	DID Drone Project
Organisation	Department of Infrastructure Development, Gauteng Province
Innovation	The Gauteng Province Department of Infrastructure Development (DID) as the implementing agent of construction projects for other Gauteng Provincial Government Departments has been forging ahead with finding efficient ways to deliver infrastructure projects. In 2018, the department launched its Drone Programme to improve efficiency and effectiveness in the monitoring, reporting, verification and validation of infrastructure projects across Gauteng Province. Through the programme, the department encourages employees to be trained to become licensed Drone Pilots, at the expense of the department. The department now has employees who are licensed Drone Pilots. This has enabled the department to deploy drones to monitor its construction projects the Gauteng Province.
Impact	The delivery of infrastructure projects has improved since the introduction of site monitoring through drones. The presence of contractors onsite, visualisation of project progress and validation of reported project status were all key challenges in managing construction projects and the use of drones eliminated these challenges. The impromptu site monitoring through drones has caused contractors to stay on and do work on sites. It caused positive change in the behaviour of contractors which improved the chances of the department to complete construction projects within allocated time and within budgets. Aerial images now captured by drones' management and built professionals the ability to see building progress from typical pictures to drone mapped 2-D maps and 3-D models of project sites. The implementation of the Programme has improved efficiencies at the construction sites, while enabling stakeholders to have access to verified and validated information to enable timeous and improved decision-making.