Project Name	Dashboards and BI Tools in iDEP for Monitoring Infrastructure Projects
Organisation	Department of Infrastructure Development, Gauteng Province
Innovation	The Dashboard and BI Tools in Infrastructure Delivery Platform (iDEP) was developed using the department's internal software developers. This saved the Department of Infrastructure Development (DID) a lot of money considering how iterative the process of designing dashboards is. The department had recently implemented a digital signature for the processing of internal Memoranda, and the change was yielding positive results. It was on this basis that the department used that momentum to digitise project management. The first layer of the solution was standardising report and data entry layers in the iDEP solution so that it can be in line with each Key Performance Indicator. The second pillar of the solution was to cultivate data driven decisions for senior management. The last pillar was the inclusion of power BI reports for the MEC and other external stakeholders and operational level reports. The other part of the solution is that it is based on the Microsoft platform, and it used the normal active directory username and password as user's laptops which reduce adoption effort. The BI solution uses the same database where all projects' data resides, and portfolio level dashboards are hosted on the main repository of the iDEP portal. At operational level the developers created dashboards to drive inter-branch coordination and remove silos. The reports can be integrated with Microsoft Teams and all key project role players can access data. Some key reporting layers and abilities are the following: the Usage Report - shows user who have updated their projects data in the past week (Reporting Cycle). Another reporting layer is ability to see projects by Contractor and PSP, which indicates their respective performance at each project. The Dashboard can also show issue and risk escalation logs which are pulled from each project per assignee, which is useful as it even shows the age of the issue or risk. For ease of use, one can navigate directly into the project's details window from operational level dashboards.
Impact	The solution has assisted in identifying trends well in advance. This has allowed management to address these risks on time. The department's ability to account to the public, media or portfolio committee has been improved since responses are issued more promptly than before. One of the key benefits to Supply Chain Management is that there is transparency of internal processes, because everyone can see which processes are lagging, and this insight has even provided insights on how long a typical project takes. Because the department can see projects that are struggling way in advance, focused effort through service providers is in place to pull

	projects back in line with KPIs or assist with supporting the department to terminate or facilitate the necessary help required. With such centralised reporting, even historical data can be retrieved to support the department during legal disputes. All operational and strategic risks are now transparent to all internal and external stakeholders to unlock resolutions.