PARADIGM TRAINING

COURSE TITLE:	**Autodesk Infraworks 2016 (360)**
DESCRIPTION:	This training provides users with a fundamental knowledge of how to take advantage of the accelerated design process that uses data-rich 3D models with high-end visualisations. This enables users to create, evaluate, and better communicate 3D site plan proposals for faster approvals. This training builds on the knowledge gained
LENGTH:	**1 Day Infraworks or 2 Days Infraworks 360**
WHO SHOULD ATTEND:	Engineers, planners, architects, and others who need to manage models created from a variety of existing data sources and generate proposals and early design concepts more effectively in the context of the built environment.
COURSE OBJECTIVES :	• Create new models from scratch • Incorporate existing data sources into the model • Rapidly generate early design concepts for new roads • Add essential design elements like buildings, trees, and city furniture to the model • Display features according to data behind the model • Create new styles according to project requirements • Analyse the model using various methods to ensure project constraints are met • Collaborate with other project team members • Create high-impact visualisation of the project to communicate the design to stakeholders • Generate videos using storyboards
COURSE OUTLINE:	**Navigating the User Interface** • Building Information Modelling • Overview of the Interface • Navigating the Model • Working with Proposals **Connecting to Data Sources** • Geographic Information Systems Overview • Connect to Data Sources • Configure and Display Data Sources **Stylise Data Sources** • Using Multiple Styles to Display Features • Overriding Style Rules • Create and Share Styles

	Create Model Elements • Basic Commands • Create Roads in the Model • Add/Create Buildings in the Model • Create Coverages in the Model • Add Vegetation to the Model • Create Pipe Networks in the Model • Create Water Features in the Model • Miscellaneous Features **Analysing the Model** • Theme a Data Source • Line of Sight Analysis • Measure the Model • Analyse Shadows **Collaborating with Others** • Share Files Using the Autodesk InfraWorks 360 Service • Working with Autodesk Revit Models • Share Design Elements with the AutoCAD Civil 3D Software • Working With Scenarios **Communicate the Design to Stakeholders** • Creating Images • Working with Storyboards **Infraworks 360 Additional Topics** The following add ons are required *InfraWorks 360 for Roadway Design* *InfraWorks 360 for Bridge Design* *InfraWorks 360 for Drainage Design* **Model Explorer**
PRE-REQUISITES:	A fundamental understanding and knowledge of civil engineering terminology
MATERIALS PROVIDED:	Infraworks 2016 Training Manual