PA18-002 Geosys VR3D data management system		
Item	Description	Approved product price (price per unit unless specified)
1	[VR3D] VR3D Server Standard Geosys VR3D Platform - a WebGL Based Application Server for 3D Survey, GIS and BIM data. Client-Side Requirement: Operation system: Windows, Mac OS, Linux. Mobile Platform: Apple IOS, Android Server-Side Requirement: Server Platform: Microsoft Server, Ubuntu, CentOS Database Platform: Microsoft SQL Server, Oracle, PostgreSQL. Application Server: NodeJS, IIS, Apache Tomcat. Supported Data Formats: GIS Data in ESRI Shape file, FGDB, kml, kmz, XML, GML, GeoJSON, XML, JSON; CAD data in Bentley DGN, Autodesk DXF, DWG; 3D Model in Bentley ContextCapture 3D tiles, OSGB, Obj, Dae, 3ds; BIM Model in Autodesk Revit, Dassault Systems Catia; Satellite and Aerial photos in TIFF format; Terrain Data in GeoTiff and DEM format; Laser Scan data in Las, PLY, PTX format; VR 720 images and UAV photos in JPEG Format; Web Mapping Services in WMS, WMTS, WFS standard	HK$400,000.00
2	[VR3D] VR3D BIM Module 1) Visualize all supported data in Web based 3D viewer with layer on/off, transparency, Zoom in/Out control 2) Web based 3D Measurement tools such as distance, path, angle, height, Volume, Section and textual annotations and save measurements in geodatabase. 3) Web based 3D editing tools such as Draw point, polyline, polygon, 3D box, upload Shape file and save drawings in geodatabase. 4) Web based Output tools such as create animation and record videos, create layout plan and download as pdf, print screen and save as jpeg. 5) Web based 3D analysis tools such as Viewshed, Line of Sight, Sun Rate, Slope, Tidal, Skyline, Skyview. 6) Web based management console for data import, update, delete, usage log, access control, User/Group Control and share. 7) Backend Interface for IoT devices such as Smart CCTV, GPS , RFID, etc.	HK$200,000.00
4	10 days onsite training service by certified system engineer Customer training for VR3D System for Admin users	15% of software cost

5	5 days onsite service by certified system engineer Customer training for VR3D System for Operational users	15% of software cost
6	[VR3D] VR3D Ultimate 1 Yr Subscription License - Support IOS & Android Mobile Device - Support Desktop Windows/Linux PC and Mac - Support Import Autodesk Revit project - Support BIM models in IFC format - Support query BIM attributes - Support play BIM animation in 4D - Support Big data visualization - Support 3D GIS Analysis such as clipping box, cut section, shadow analysis, viewshed analysis etc - Support Terrain Analysis such as slope angle, slope orientation, aspects etc. - Overlay 8 UAV 3D Model - Overlay 10 GIS layers from CAD,ESRI Shp file, Dgn file, etc. - Overlay 5 BIM layers from Revit, Bentley, IFC, DAE etc.	HK$360,000.00
7	$150,000 (with Standard Cloud hosting, 1year) $250,000 (with Professional Cloud hosting, 1 year) $400,000 (with Ultimate Cloud hosting, 1 year)	Refer to the description
8	VR3D Server Standard: HK$400,000.00 perpetual and HK$100,000.00 per year VR3D Add-on for BIM: HK$ 200,000.00 perpetual and HK$50,000.00 per year	Refer to the description