cadfocus
GEOsCAD2 Developer

GEOsCAD2
Geomatic Survey CAD Tools

www.cadfocus.com.my
www.geoscad2.com

GEOsCAD2 v.19

FEATURES LIST		STD	PRO
Licensing	Dongle (USB) & Permanent	✓	✓
Compatibility / Platform	**ZWCAD 2019**, ZWCAD 2018 , ZWCAD 2017 – SP2 Version and Above (Std / Pro Module)	✓	✓
	ZWCAD Classic Pro, ZWCAD+ 2015 – SP3 Version (Std / Pro Module)	✓	
	AutoCAD 2012 – **2019** (Only applicable to GEOsCAD2 for AutoCAD Version only)	✓	✓
Bearing and Distance (Auto / Manual Labeling)	- Base on single or group selection of Lines **(**Entity**)**	✓	✓
	- Base 2-Points or Polygon **(** Close Boundary **)**	✓	✓
	- Reverse Bearing , Add Bearing Spacing..	✓	✓
Area (Calculate & Labeling)	- Automatic (Batch)	✓	✓
	- Semi-auto by selecting a Close Boundary.	✓	✓
	- By selecting multiple Points	✓	✓
	- Measurements Units (M2, Ha, Ek, Kp)	✓	✓
Table	- Bearing Distance / Coordinate Table	✓	✓
	- 2D Polyline / 3D Polyline Vertex points	✓ (New)	✓ (New)
Lot Number / Number (Labeling)	- Automatic (Batch) with User define Option	✓	✓
	- Manual (Individual)	✓	✓
	Add (PT / PTD / PTB / PLOT / A / C....) To Lot Number	✓	✓
	Add Prefix or Suffix for Number / Text	✓ (New)	✓ (New)
Road Width (Labeling)	- Vertical / Horizontal	✓	✓
	- Meter / Feet	✓	✓
Traverse Line (Functions)	- Auto Plot Boundary / Stn.No. (Bearing & Distance)	✓	✓
	- Radiate from Station	✓	✓
	- Misclose Report	✓	✓
	- Bowditch / Transit / Crandall / Po and New Adjust	✓	✓
	- Link Survey Traverse Adjust Misclose	✓	✓
Insert Symbol Tools	Boundary Marks (Trim / Without)	✓	✓
	Cutting Symbol – Civil Engineer Style (Fill / Without)	✓	✓
	Cutting Symbol – Surveyor Style (Fill / Without)	✓	✓
	Points Symbol (LP / EP / TP / MH / HWP....)	✓	✓
	Insert Stone Number	✓	✓
Plot House Corner	**Plot House Corner**	✓ (New)	✓ (New)
Spot Level	Change Datum (Text / Point Level)	✓	✓
	Add IL to Spot Height	✓	✓
	Auto Create Spot Level Text From XYZ Points	✓	✓
Points	Add, Interpolate, Change Datum	✓	✓
	Auto Create XYZ Points from Spot Level Text and Vice versa	✓	✓
	Label Coordinates Points	✓	✓
	Generate Points from LWPolyline	✓ (New)	✓ (New)
	Generate Points From 3D Polyline	✓ (New)	✓ (New)
Triangulation (TIN)	Generate TIN 3D Model (Line) from 3D Points	✓	✓
	Generate TIN 3D Model (3D Polygon) from 3D Points		✓ (New)
Interpolation	3D Spot Level - Base on 2 Reference 3D Points	✓	✓
	Intersect 3D Points – Base on Line Drawn Across TIN 3D Model	✓	✓
Cross Section & Long Profile	Generate Cross Section from Line drawn across XYZ-points	✓	✓
	Generate Long Profile from Line drawn across XYZ-points	✓	✓
	Copy Center Line Point – Select and Create 3D Points with a single Line drawn across XYZ-points	✓	✓
Pile Survey	Set Pile Number	✓	✓
	ASCII Output for X Y / Bearing Dist X Y	✓	✓
	Pile Deviation As-built	✓	✓
Others	Polyline - Multi B-poly	✓	✓
	Line - Break Lot Lines	✓	✓
	Set All Entities / Object to Elevation = 0	✓	✓
	Offset Lot Lines	✓	✓
TEXT	Rotate Text (Align / Vertical /Horizontal)	✓	✓
	Change Text Oblique Angle	✓	✓
Unit Conversion	For Distance & Spot Levels (Feet / Meter / Link / Inches)	✓	✓
	For Point (Feet / Meter / Link)	✓	✓
	For Area (Acre / Hectare / Sq Meter / Sq Feet)	✓	✓
Transformation Coordinate	Cassini to RSO or RSO to Cassini	✓	✓
	RSO to MRT or MRT to RSO	✓	✓
Label Coordinate	Standard / Sabah / Sarawak Format	✓	✓
Topo Survey	**Break line, Swap 3D Triangles, ..**		✓ (New)
	Generate 2D Contour Polylines & Label Contour		✓ (New)
	TIN functions : 3D Spot Level with equal space, ..		✓ (New)
	Volume - Calculation and Overlay		✓ (New)
Road Design Tools	**Road Design Chainage & Cross Section Line**		✓ (New)
Color Chart	**TIN / Contour / Slope base on X/Y/Z coordinates**		✓ (New)

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