About ZWCAD

ZWCAD is a cost-effective, DWG file format compatible CAD solution developed by ZWCAD Software Co., Ltd.. It provides innovative, collaborative and customizable features for engineers in the AEC and MCAD industries, easing their design process.

ZWCAD is now available in 15 languages, including Simplified and Traditional Chinese, Czech, English, French, German, Italian, Japanese, Hungarian, Korean, Polish, Portuguese, Spanish, Russian and Turkish.

Over 550,000 satisfied users across 80 countries

KING SHAKA INTERNATIONAL AIRPORT	NEC	HONDA The Power of Dreams	ALSTOM	SIEMENS	BAOSTEEL	Carrefour	JSP	TOSHIBA Leading Innovation
MARTIFER SOLAR	invenio	SAINT-GOBAIN	ERICSSON	orange	PHILIPS	HITACHI Inspire the Next	Ballast Nedam International	SARC
SANYO	YORK	FLEXTRONICS	EMERSON Network Power	LG Life's Good	Johnson Controls	DAIKIN	GP	TDK
Workplaces by SKANSKA	ELDON	brother.	Colgate	Panasonic	COFELY AXIMA		Honeywell	Haier
DELTAMARIN	U-SMD	CSR	ADVANEX	CASAIS	OA SRN		CSSC	BOSCH

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www.zwsoft.com

ZWCAD Reseller

ZWCAD
Design Great

ZWSOFT

Top 5 Reasons to Choose ZWCAD

ZWCAD

Design Great

1 Seamless DWG Compatibility

2 Code-level compatible APIs and easy to migrate

3 Flexible workflow between desktop and mobile devices

4 Extra efficiency with micro innovations

5 Non-expiring perpetual license with latest version upgrade

Familiar CAD

- Seamlessly compatible with DWG files

- Familiar Classic and Ribbon interfaces, you can easily switch to choose the environment you prefer

- Familiar commands and alias

ZWCAD Features

2D Drafting
1

- Auto-complete Command Entry
- MText
- Images
- Block
- External Reference
- MLeaders
- Table
- Associative Dimension
- Revision Cloud
- Layer Properties Manager
- Attribute Block

Advanced Tools
5

- Tool Palettes
- Dynamic Block
- Reference Manager
- Block Attribute Manager
- Super Hatch
- File Compare
- Quick Calculator
- Extract Attribute
- Layer States Manager
- Insert OLE Object
- Import DGN
- Match Properties
- Lock Up Drawing
- Overkill

Micro Innovation
10

- SmartMouse
- SmartVoice
- SmartSelect
- Barcode & QR Code
- Lightweight

3D Modeling
12

- Modeling
- Visualizing
- Viewing

Output & Share
13

- Print with STB/CTB plot style
- Print or publish in other formats

14 Industry Solutions

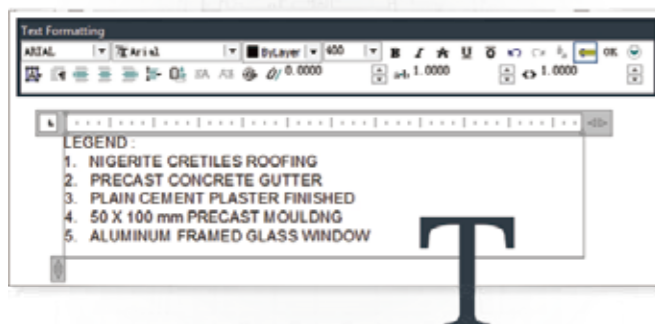### 15 From Desktop to Mobile

16 ZWCAD vs ACAD

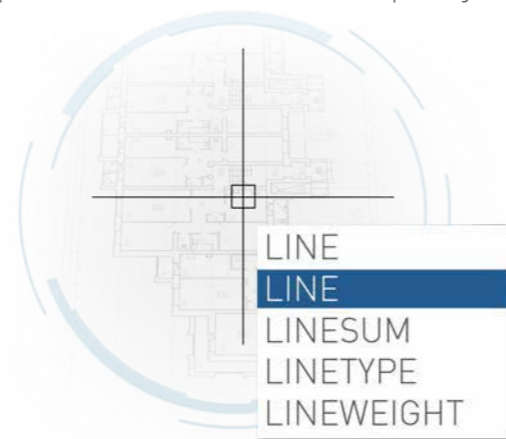### 17 See How CAD Experts & Users Comment on ZWCAD

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2D Drafting

Images
Insert raster images, supports formats like JPEG, PNG and BMP
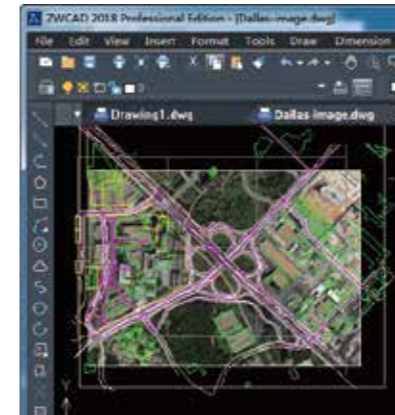
Block
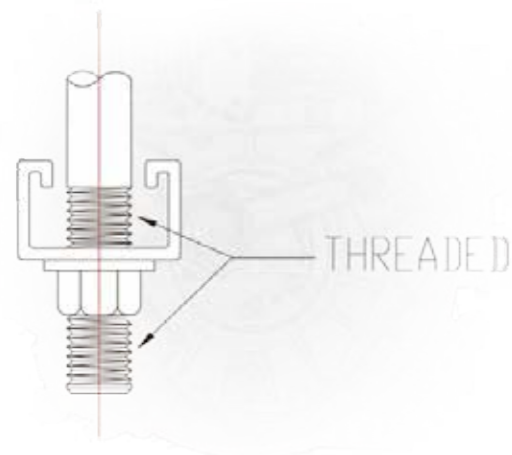Collect geometry together into one object which you can use repeatedly

Auto-complete Command Entry
Help to find commands more quickly

LINE
LINE
LINESUM
LINETYPE
LINEWEIGHT

MText
Multi-line text, full text editing functions

LEGEND :
1. NIGERITE CRETILES ROOFING
2. PRECAST CONCRETE GUTTER
3. PLAIN CEMENT PLASTER FINISHED
4. 50 X 100 mm PRECAST MOULDNG
5. ALUMINUM FRAMED GLASS WINDOW

External Reference
Attach other DWG drawings as references

2D Drafting
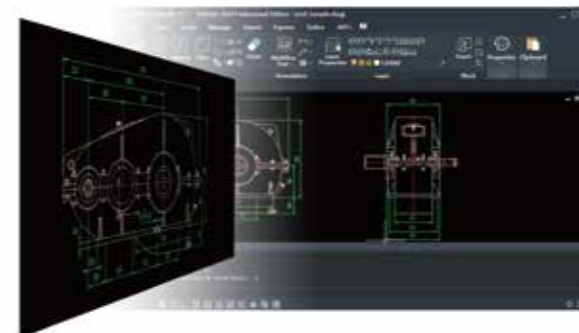
MLeaders
Attach multi-leader annotations

Table
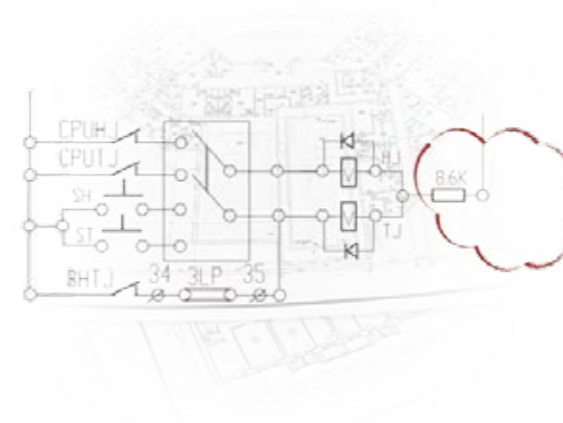Use table to present data like revision table or bill of materials

Associative Dimension
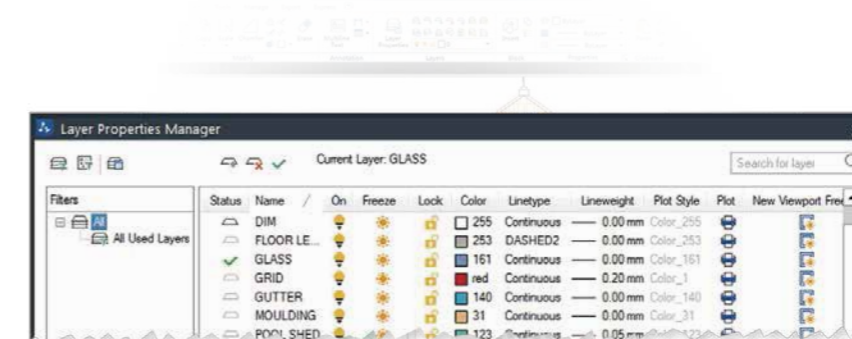Dimension adjusted along with the geometric objects
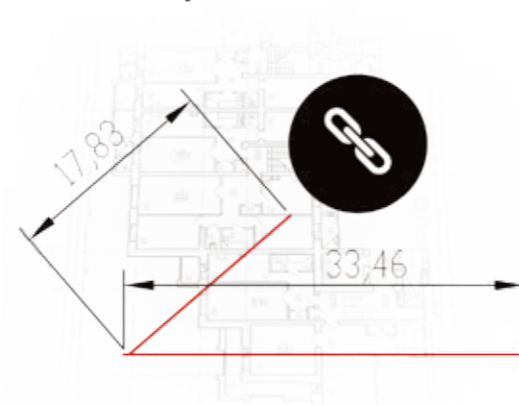
Revision Cloud
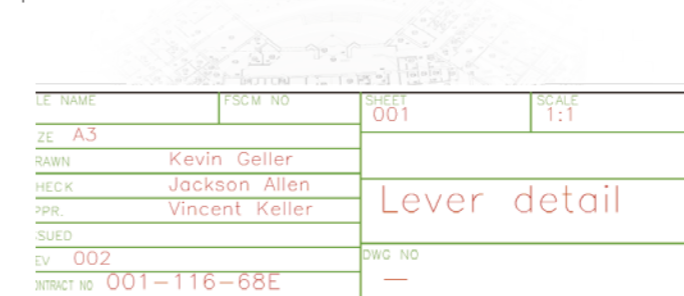Mark the revision items with free-form clouds around them and call attention to them

Layer Properties Manager
Set layer properties like color, linetype and VP Freeze

Attribute Block
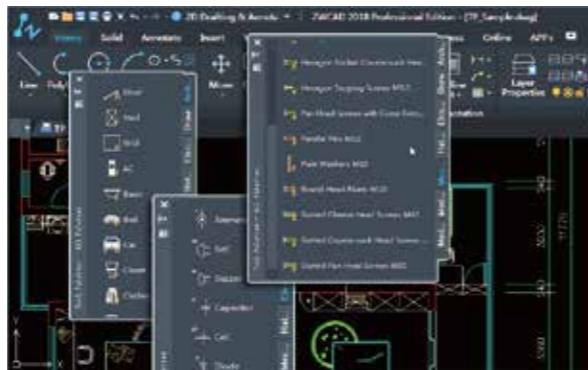Block embeds textual information such as inventory numbers, prices, description and more

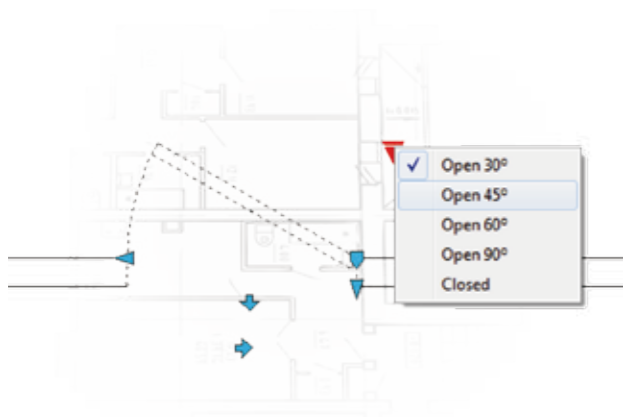2D Drafting

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Advanced Tools

Tool Palettes
Organize, share, and place commands, blocks, and other tools

Dynamic Block
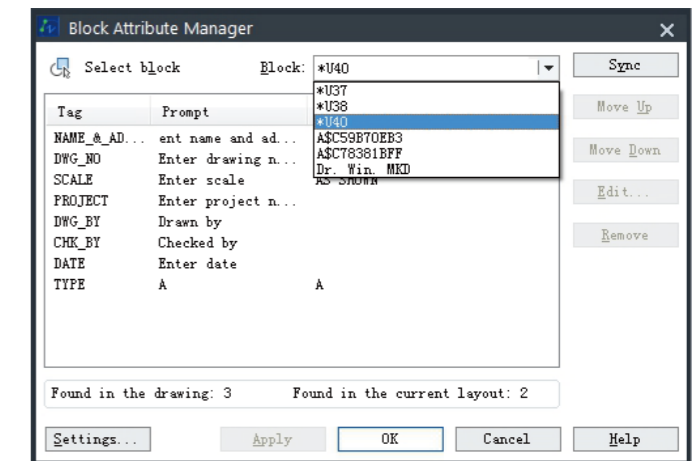Block with parameters, easy to modify

Reference Manager
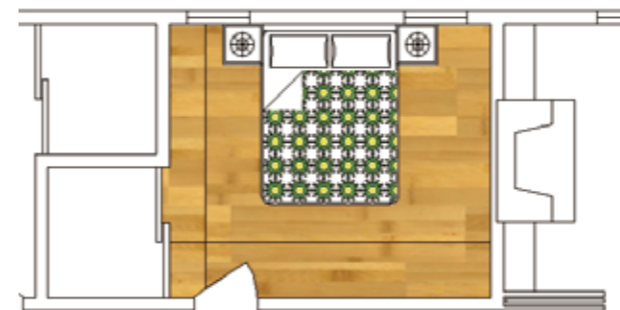Manage all external resources like text, image and drawing

Block Attribute Manager
View, edit and synchronize attributes in batches

Super Hatch
Use block, external drawing, or image as hatch pattern

File Compare
Compare two similar drawings and highlight the differences

Layer States Manager
Save the layer states and restore with one click, layer settings can be easily changed

Quick Calculator
Perform calculation within CAD just as you would with a desktop calculator

Insert OLE Object
Use document from other applications
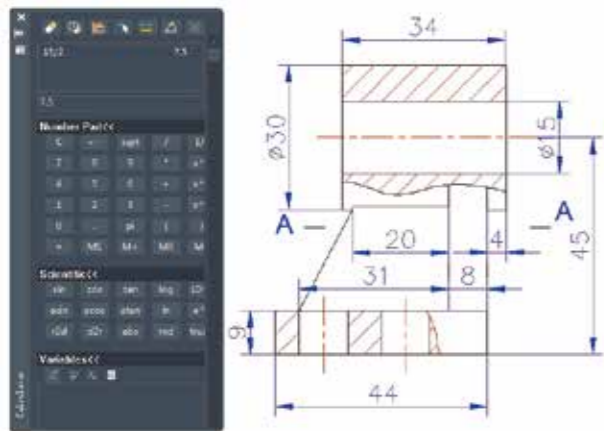
Extract Attribute
Extract attribute information to a csv/xls/mdb/txt file
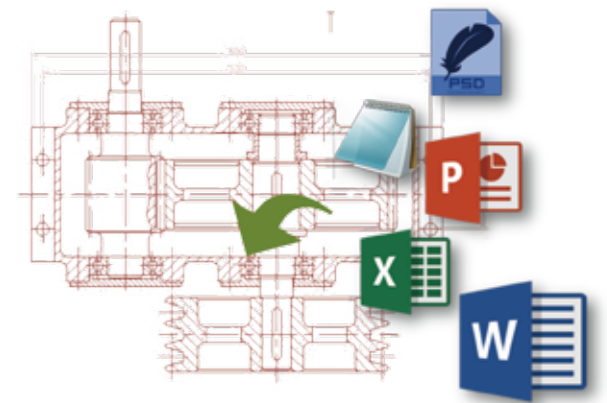
Import DGN
Exchange drawing with MicroStation®

Match Properties
Apply existing style to other objects

Lock Up Drawing
Lock up the selection with a password so that it is visible but uneditable

Overkill
Delete duplicates or partially overlapped objects

Advanced Tools

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Micro Innovation

SmartMouse
Trigger commands by mouse gesture

New
Zoom P   Circle
Copy   Move
Arc   Zoom M
Close
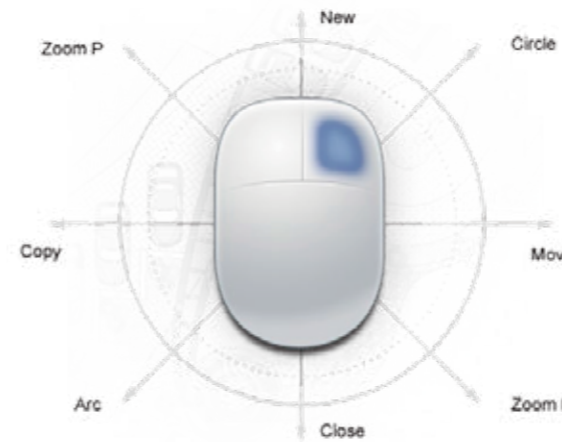
SmartVoice
Mark with voice annotation

15.8"

from: Amanda
26 Jun, 2013.
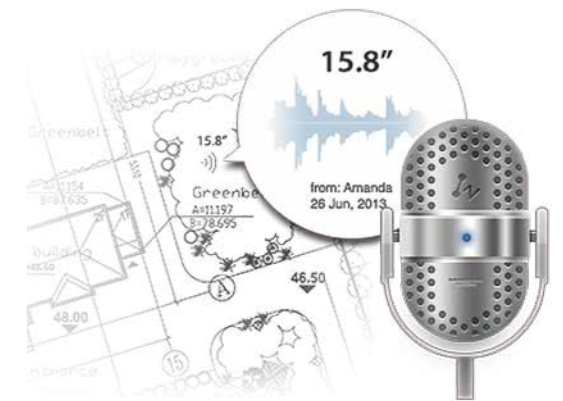
SmartSelect
Multi-filter for selection

Barcode & QR Code
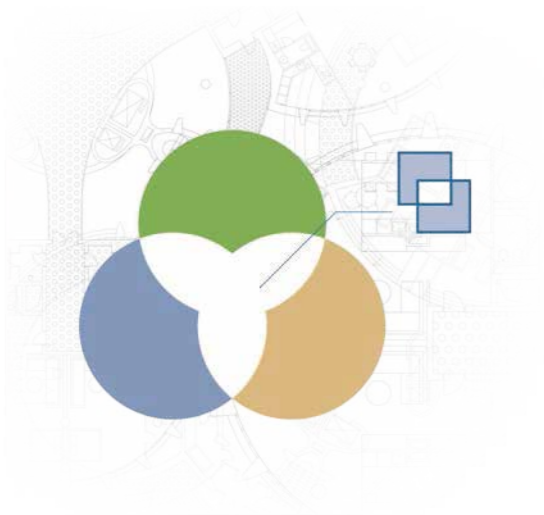Convert text information as barcode or QR code and embed in the drawing
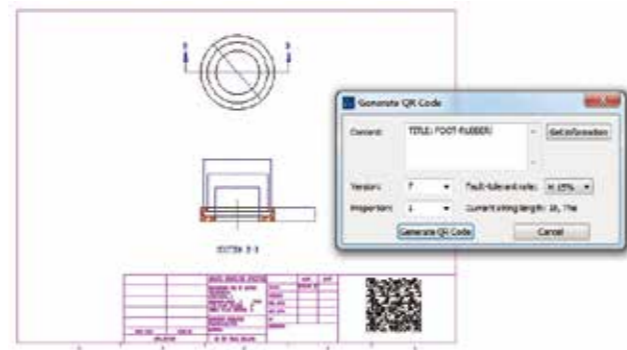
Lightweight
Smaller installation package and quicker start. Less memory usage and lower requirement on hardware

Micro Innovation

12

3D Modeling

Modeling
Create and modify 3D model with solid, surface and mesh modeling tools
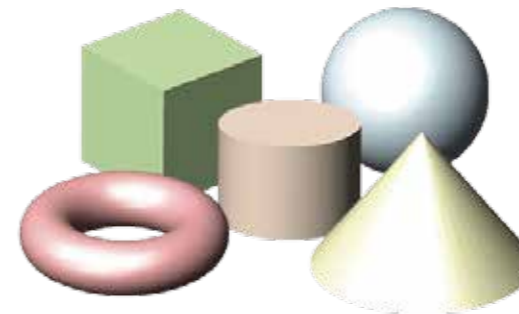
Visualizing
Set visual style like wireframe, hidden and shade, get a photorealistic view with rendering

Viewing
View freely with 3D Orbit, and get offset or perspective view with camera target simulation

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Output & Share

Industry Solutions

- **Print with STB/CTB plot style**
  Assign how things print such as color, lineweight and linetype etc

- **Print or publish in other formats**
  Output DWG drawings to other formats for sharing

- Code-level compatible API, easy to migrate

From Desktop To Mobile

- ZWCAD provides a mobile solution – CAD Pockets, with which you can freely work on your desktop and on the go.

ZWCAD vs ACAD

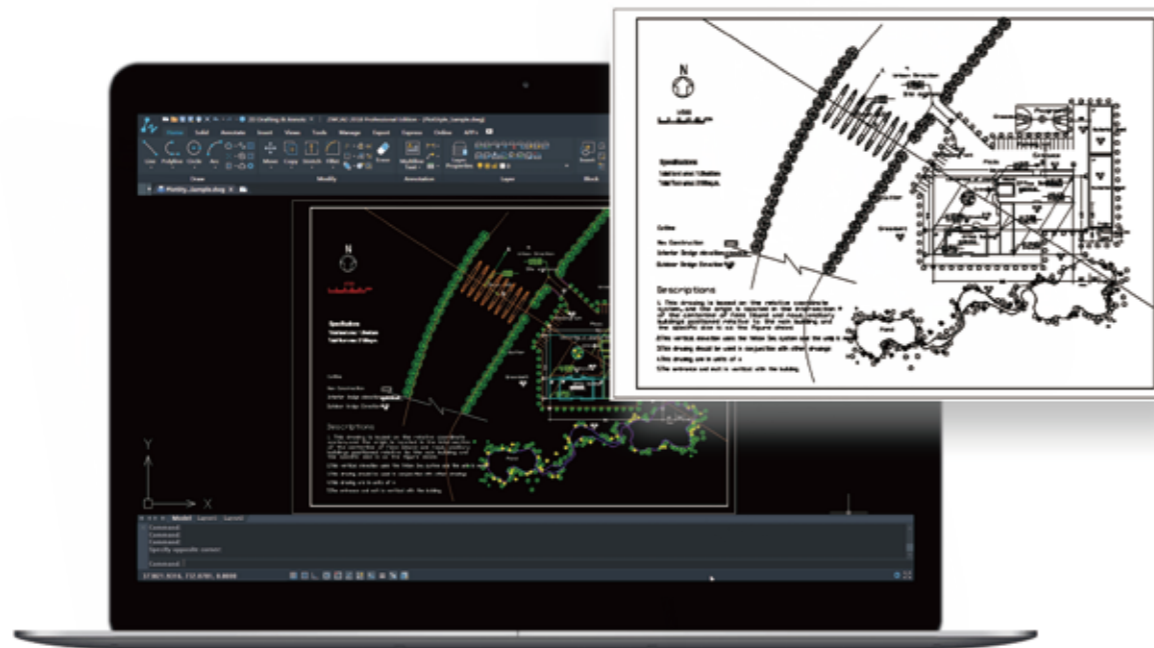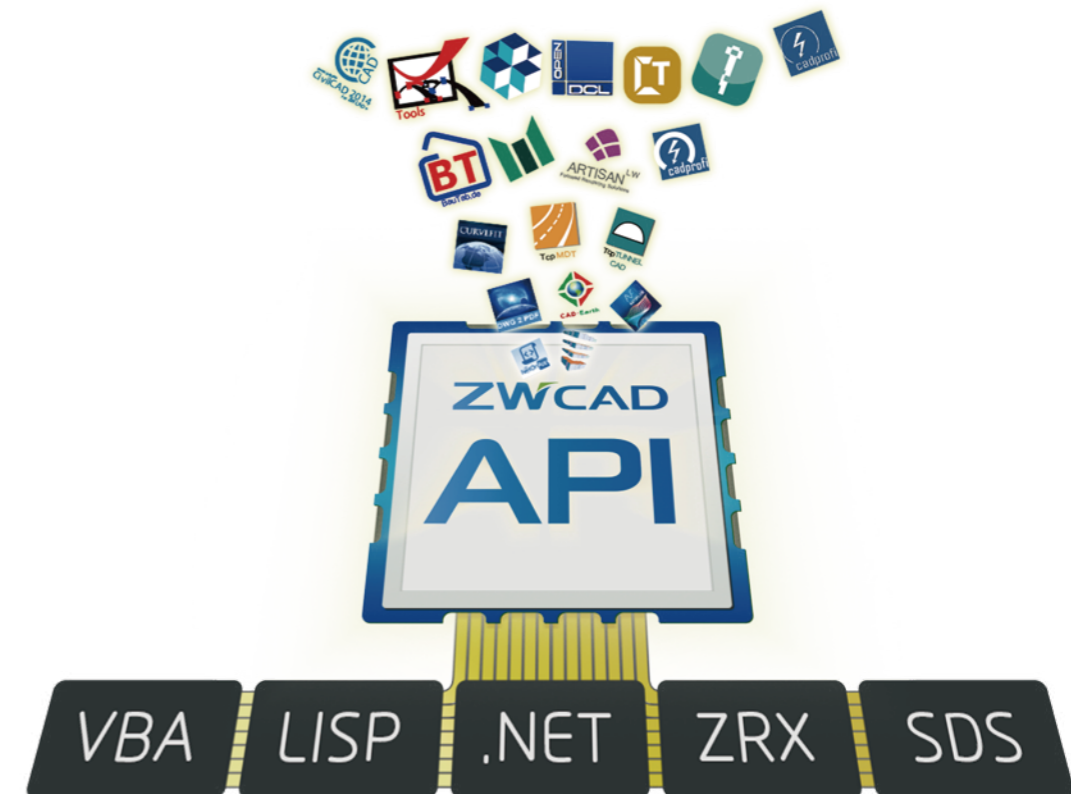|		ZWCAD		ACAD	
		Std	Pro	LT	Full
Compatibility	Compatible with DWG/DXF	•	•	•	•
	Import DGN	•	•	•	•
Interface	Classic and Ribbon interfaces	•	•	•	•
	Customize user interface (CUI)	•	•		•
	Tool Palettes	•	•		•
	Properties Palette	•	•	•	•
	Auto-complete Command Entry	•	•	•	•
	Drawing tab switching	•	•	•	•
	Adaptive Grid	•	•	•	•
Annotation	Leader & MLeader	•	•	•	•
	Associative Dimension	•	•	•	•
	Text and MText	•	•	•	•
	Revcloud	•	•	•	•
	Text in-place editing	•	•	•	•
	Hatch/Gradient Hatch	•	•	•	•
	Super Hatch	•	•		•
	Tables & Table styles	•	•	•	•
	Field	•	•	•	•
Layer	Layer Properties Manager	•	•	•	•
	Layer Filter	•	•	•	•
	Layer State Manager	•	•	•	•
Xref, Block and Attribute	OLE	•	•	•	•
	Raster Images	•	•	•	•
	Xrefs in-place editing	•	•	•	•
	Multiple block inserting	•	•	•	•
	Block Attribute Manager	•	•	•	•
3D	Solid, surface, and mesh modeling				•
	Photorealistic rendering				•
	Visual Style	•	•		•
	ACIS viewing	•	•	•	•
	3D Orbit	•	•	•	•
Programming	MNU, MNS and MNL file support	•	•	•	•
	ActiveX API		•		•
	LISP support	•	•		•
	Visual Basic for Applications (VBA)		•		•
	Runtime extension (ZRX/ARX)		•		• (ARX)
	.NET		•		•
Output	CTB & STB Plot Style	•	•	•	•
	Plotting	•	•	•	•
	Publish to PDF	•	•	•	•
	Export	•	•	•	•
	eTransmit	•	•	•	•
Innovation	SmartMouse	•	•		
	SmartVoice	•	•		
	SmartSelect	•	•		
	Barcode & QR Code	•	•		
Others	File Compare	•	•		
	Quick Calculator	•	•	•	•
	Selection Preview	•	•	•	•
	Match Property	•	•	•	•
	Group	•	•	•	•
	Quick Select	•	•	•	•
	Multiline and multiline style	•	•		•
	Region	•	•	•	•
	Multiple Undo/Redo	•	•	•	•
	Undo/Redo Preview	•	•		•
	Parametric Drawing				•
	Express tools	•	•		•

• Supported

See How CAD Experts & Users Comment On ZWCAD

- **Ralph Grabowski** | Managing Editor of Tenlinks.com

"I sometimes consult on compatibility for competitors to Autodesk, and from this I have a collection of tough drawing with which test DWG files. Here ZWCAD scored excellent, displaying every test drawing correctly."

- **William Forty** | CAD Expert in Mechanical and Civil Engineering

"I have never seriously considered changing my application to an alternative, but with the impressive compatibility and development API, and its product quality, I will most certainly be considering ZWCAD, when I want to upgrade next."

- **Francisco Silva** | Engineering Designer

"ZWCAD has impressed me with its ease-of-use and accessibility to files. It's pretty intuitive and has all processes guiding users how to use the tools."

- **Daniel Dobrzynsk** | Certificated Autodesk Trainer

"Should a reduction in the processing time of drawings be important, then the new tools in ZWCAD like SmartVoice, dynamic blocks, and CUI will be a great contribution."

- **Ray Howard** | CEO of CAD2BIM

"With the combination of ease of use, DWG native format, feature rich commands, user interface, and affordable price point of ZWCAD, it's looking like I may have just turned the corner and freed myself from an old way of thinking."

- **Joris Maes** | Experienced AutoCAD Designer

"The drawings are perfectly compatible in ZWCAD. I have made changes in drawings and saved them in ZWCAD, which were made in AutoCAD, and vice versa. Besides, AutoCAD.NET applications can be easily used in ZWCAD."