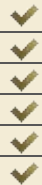


# Available functionalities

Advance CAD 2014 Packages

## INTERFACE ENVIRONMENT

- Ribbon tabs
- Quick access toolbar manager
- "Customize" dialog box to change menus, toolbars, keyboard shortcuts, and aliases
- Auto-complete of commands that are started with some typed characters , for heavy command line users
- Selection filters : Quickselect
- Settings: general options can be customized (display, paths/files, user preferences, crosshairs, profiles)



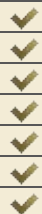
## WORK ORGANIZATION

- Layer state manager
- Manage elements: Line types, Text Styles, Coordinate systems, Views, Blocks, Dimension Styles, External Reference
- Units settings
- Object properties window



## CAD DRAWING TOOLS

- 2D drafting : lines, circles, 3 point arcs, ellipses, polylines, rectangles, polygons, splines, points
- 3D surface primitives : box, wedge, pyramid, cone, cylinder, sphere, dish, dome, torus
- Modifying 2D drawing objects : copy/move, offset, scale, mirror, array
- Modifying 3D solids : interfere/separate
- 2D drawings can become the foundation for 3D solids : extrude
- Three-dimensional meshes made of polygons
- Large variety of hatch patterns



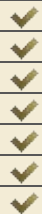
## DRAFTING TOOLS

- Object snap
- Polar tracking
- Object snap tracking
- Reference grid



## VIEWING

- Controlling UCS for angled drawings and local coordinates (aligned objects, rotating views, local coordinates)
- Coordinates : polar, Cartesian, global
- Visual styles : wireframe, hidden, realistic
- Zooming and panning
- Multiple layout viewports
- Print from layout, model space and printer configuration
- Publish command to plot several layouts to DWF/PDF or to Plotter named in page setup



## DIMENSION AND ANNOTATIONS

- Dimensions : linear, angular, radius, diameter, baseline and continuous
- Leaders and tolerances
- Multiline text
- Table objects



## BLOCKS AND REFERENCES

- Block attribute manager
- External reference manager (xref manager)
- Image manager



## INTEROPERABILITY

- Import files: DWG, DXF, DXB, DWF, DWT
- Export files: DWG, PDF, BMP, WMF, EMF, DWF, SVG, STL
- Export to 3D PDF
- Import and Export to ACIS files



## SUPPORTED PROGRAMMING LANGUAGES

- LISP
- C - Solutions Development System™ (SDS™)
- C++ Teigha Extensions
- .NET - Visual Studio Tools for Applications (VSTA)
- DIESEL - Direct Interactively Evaluated String Expression Language (DIESEL)
- DCL - Dialog Control Language

