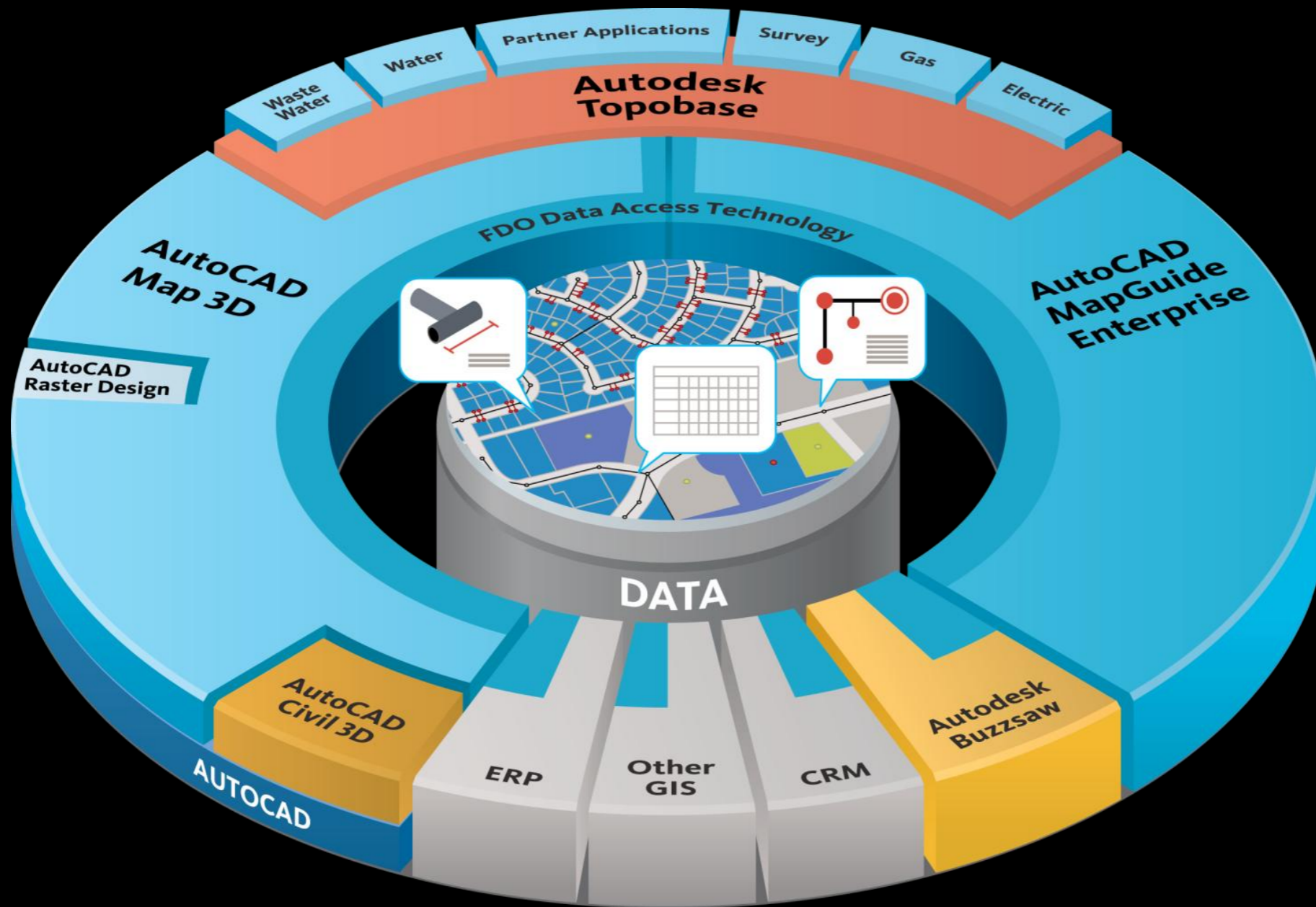


GIS with AutoCAD® Civil 3D 2010

Dusty Gallinger
AEC Solutions Specialist

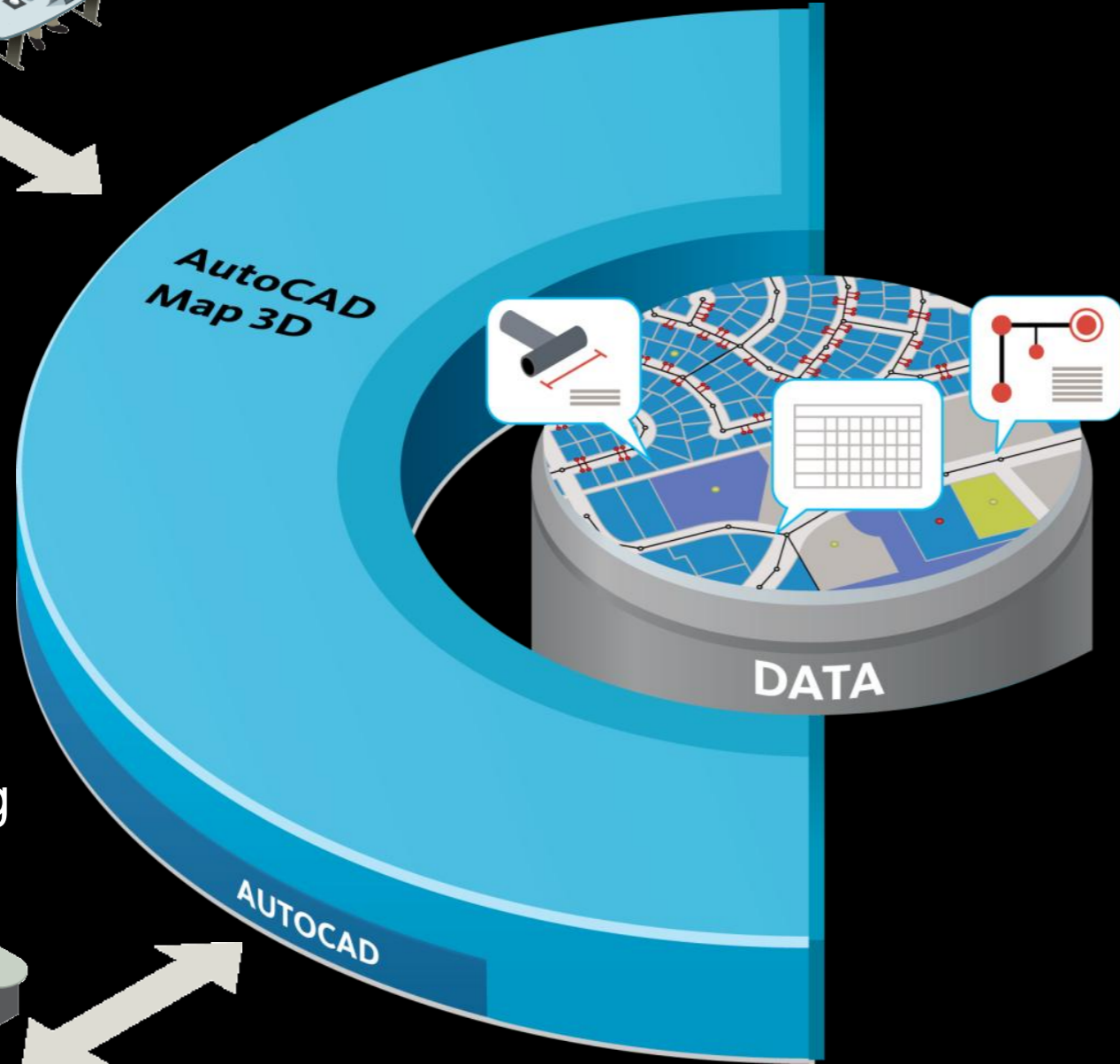


Autodesk® Infrastructure Solutions

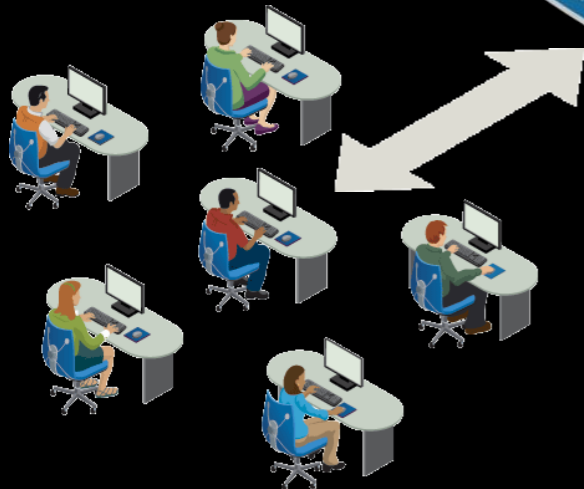


Autodesk Infrastructure Solutions

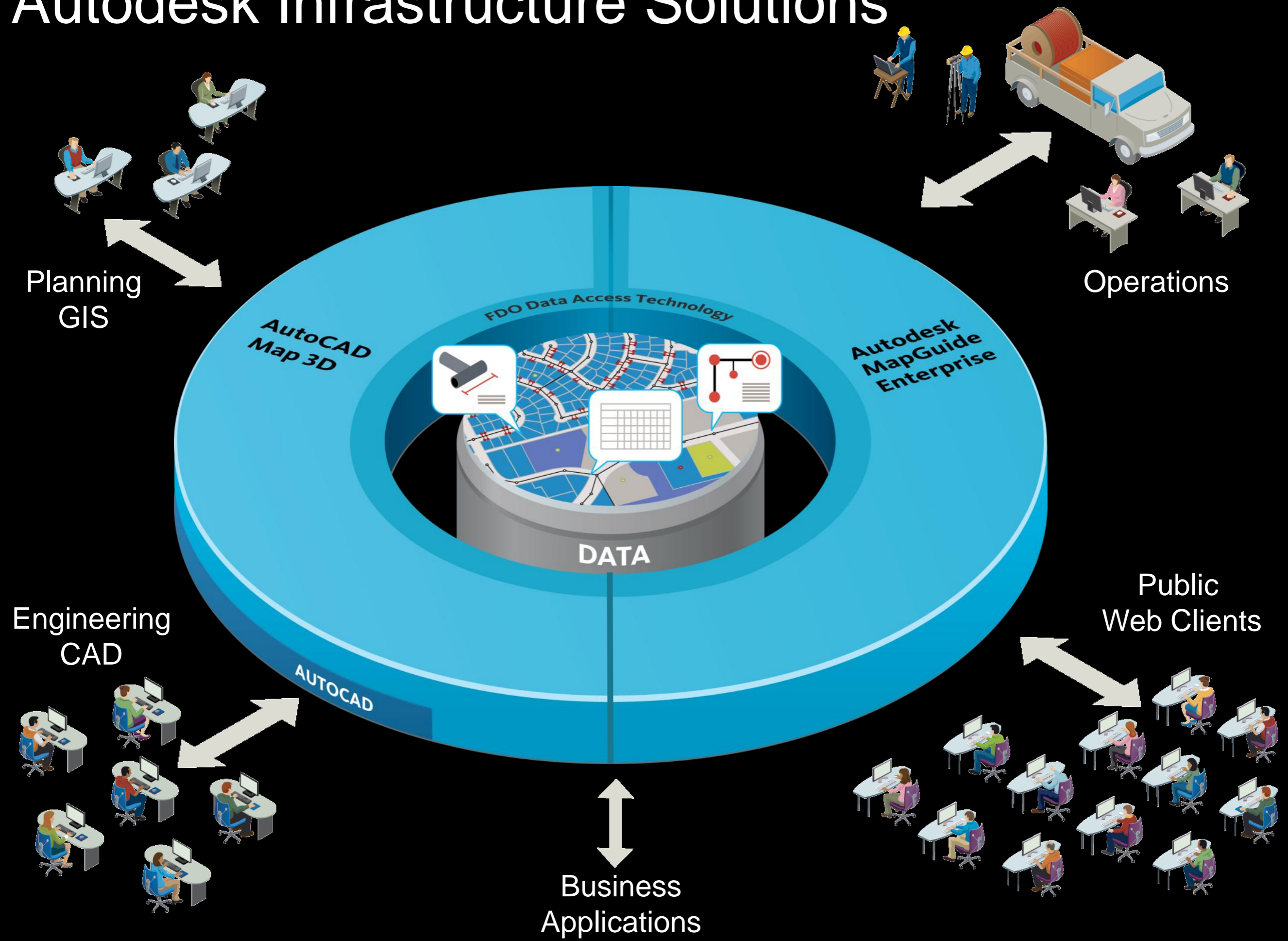
Planning
GIS



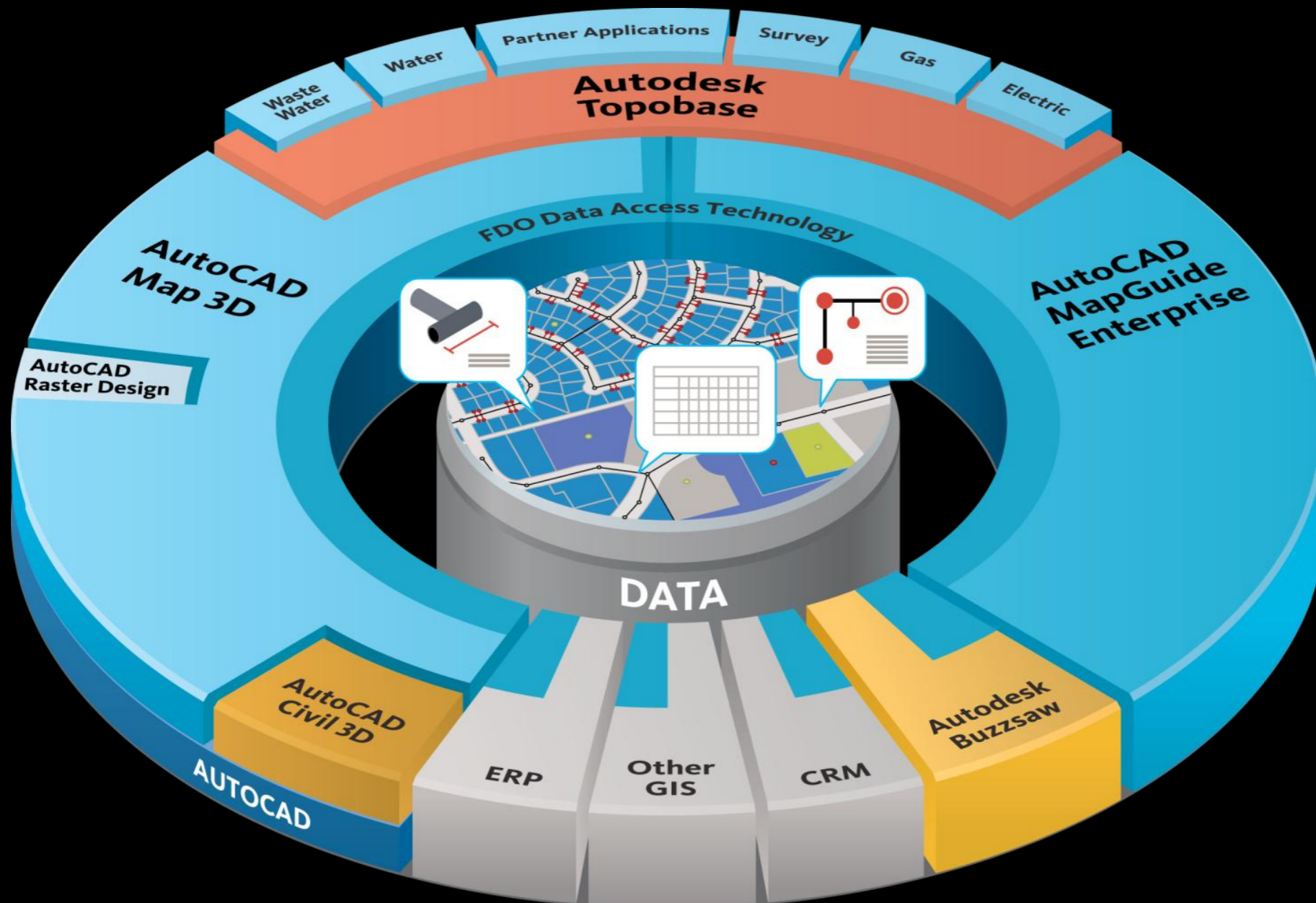
Engineering
CAD



Autodesk Infrastructure Solutions



Autodesk® Infrastructure Solutions



AutoCAD Civil 3D Geospatial Overview

- Access to CAD, GIS, and raster data formats in an AutoCAD® environment
- Precision drafting and data editing
- Powerful map creation, visualization, and analysis
- Flexible and open data management tools
- Easy publishing of designs, maps, and data

What's what...

What is AutoCAD Civil 3D?

Autodesk BIM (engineering

Infrastructure p



ling) solution for civil

agement

What is LEED and Green Building?

Leadership in Energy and Environmental Design

A system to categorize the level of environmentally sustainable construction in sustainable buildings

Data Access

Business Issue

You need to use design and GIS information in your projects.

AutoCAD Civil 3D Solution

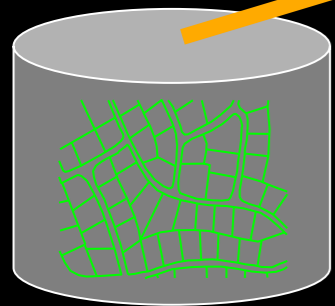
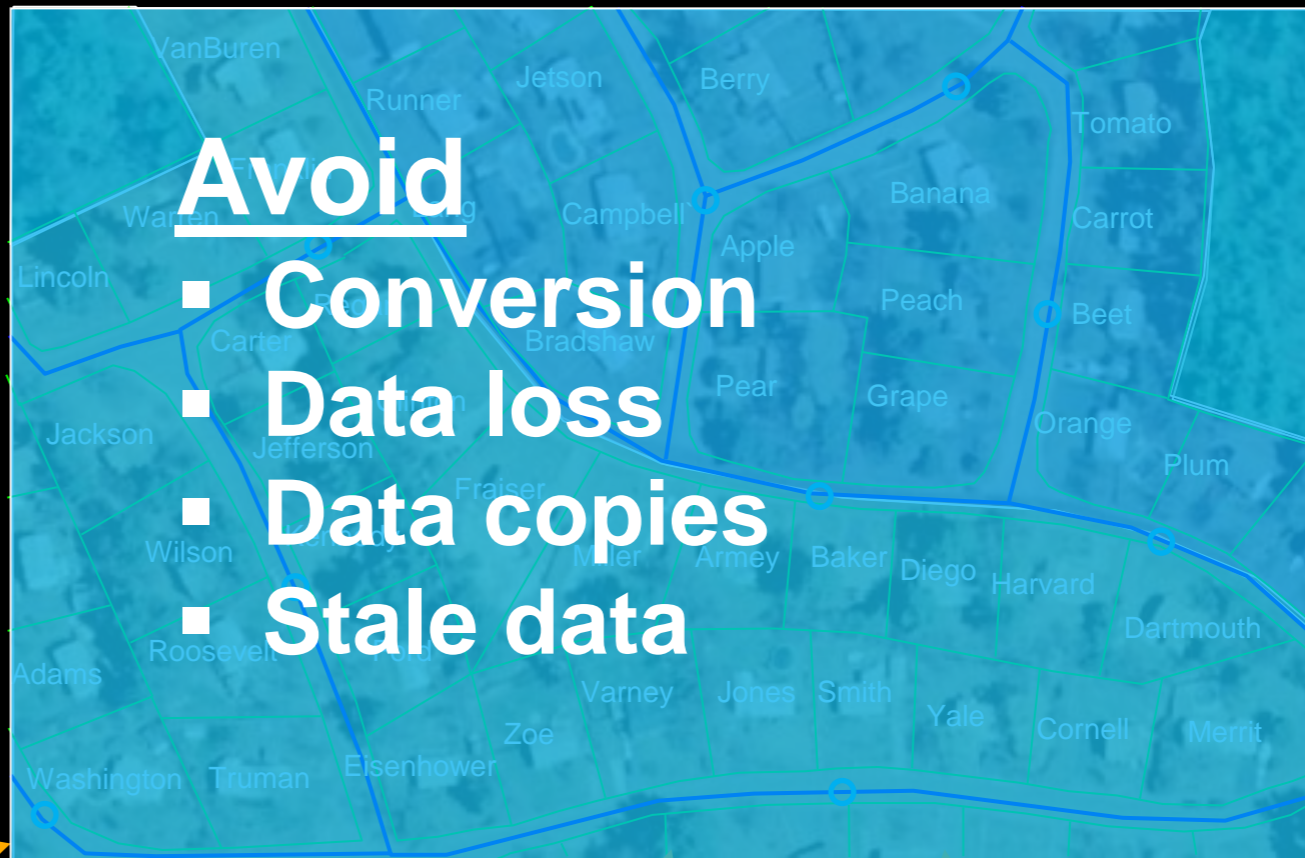
Work with datasets in a variety of formats for design and mapping functions.

Including formats from Autodesk, Bentley, ESRI[®], GE Smallworld, Intergraph, Oracle[®], MapInfo, Microsoft[®], and others...

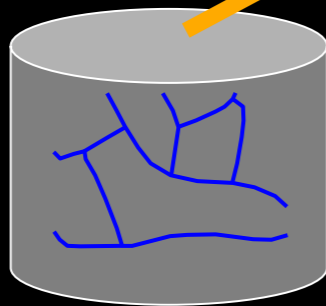
AutoCAD Civil 3D Advantage

Access to CAD, GIS, and Raster Data in an AutoCAD environment

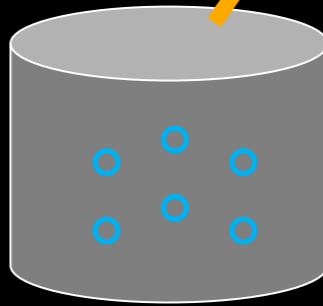
Directly access spatial data using Feature Data Objects (FDO) technology



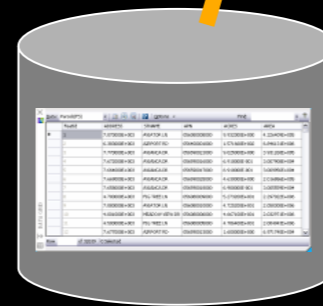
Parcel data from ESRI SHP file



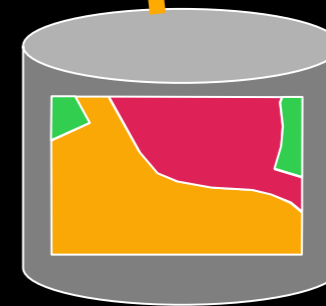
Utility data from DWG™ files



Hydrant locations from Survey



Property data from Microsoft Office Access®



Zoning data ESRI ArcSDE®



Aerial photos



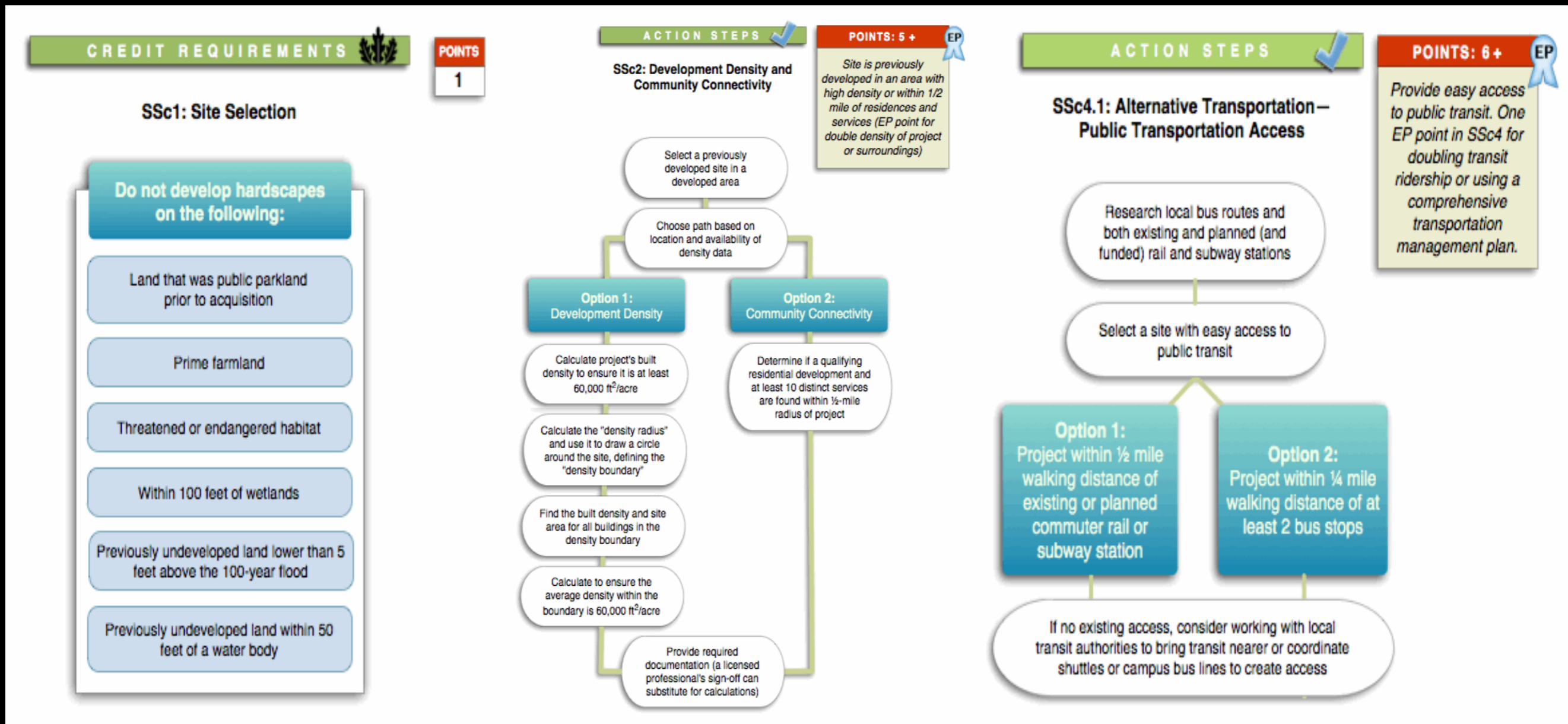
Demo...

Use AutoCAD Civil 3D to select a site

- Leverage existing CAD and GIS data in decision making process
- Use LEED criteria for site selection
- Easily share candidate site(s) with the masses

Demo...

Use AutoCAD Civil 3D to select a site based on LEED criteria



Demo...

Based on project and LEED criteria the candidate site must meet the following:

- ✓ Approximately 10 acres
- ✓ Not public park land
- ✓ Not prime farm land
- ✓ Not threatened habitat
- ✓ 100' from wetlands
- ✓ 5' above 100 year flood
- ✓ 50' from any water body
- ✓ Near residential development
- ✓ Within ¼ mile of 2 bus stops

Let's see it!

The Value of AutoCAD Civil 3D

CAD and GIS together

- Access a broad variety of data to break down data silos
- Better utilize CAD-trained workforce to manage geospatial data
- Create better maps and improve decision making
- Support design and as-built data flow to GIS and asset management solutions
- Improve information sharing between engineering and other stakeholders

Thank You!

- Dusty Gallinger
- dusty@pacificad.com

- For more information about PacifiCAD
 - www.PacifiCAD.com

- For more information about Autodesk GIS solutions
 - www.Autodesk.com/map