



**Autodesk®**  
Topobase™

# Archive – Technical Training

## Autodesk Topobase Client



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# Disclaimers

This course was created for Autodesk Topobase 2009. The contents of this course are not intended for other versions of Autodesk Topobase.

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# Chapter Overview

- This chapter teaches you how to use GOGO functionalities in Autodesk Topobase 2009. You will learn the requirements and basic handling and how to apply them.

# Constructions

# Chapter Objectives

By the end of this chapter, you will be able to:

- Choose a construction functionality for your needs
- Explain the requirements
- Explain the basic handling
- Use the arc intersection tool

















# 6.1 Functionalities

- The Autodesk Topobase Client 2009 provides construction and calculation functions (COGO).
- Construction functions have direct access to the database.
- Existing coordinates are retrieved and results are directly stored in the database.
- The functions are located in the Tools Tab, COGO Panel.



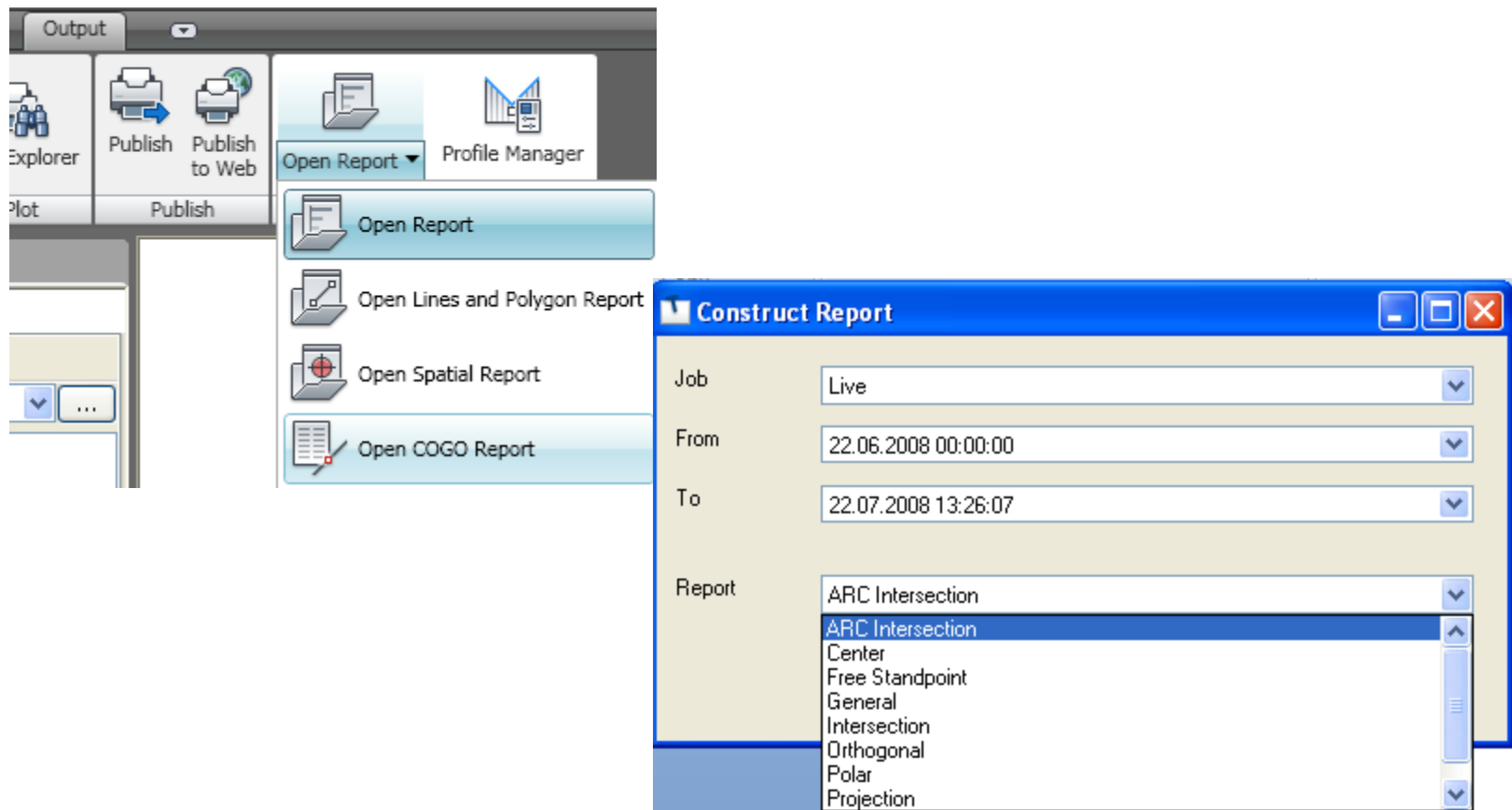
# 6.1 Functionalities +

- Available construction functions:

	Intersection		Arc Intersection
	Orthogonal Calculation		Polar Calculation
	Orthogonal Projection		Snap/Trim
	Split		Add Vertex
	Remove Vertex		Insert Point
	Extract Point		Offset
	Right Angle Course		Free Standpoint
	Center		Join Lines

## 6.1 Functionalities ++

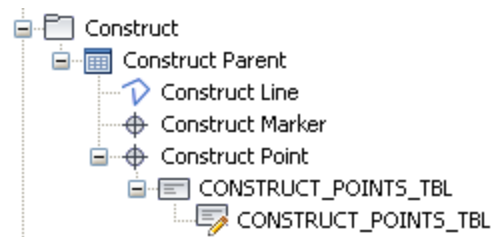
- Topobase provides construction reports





## 6.2 Requirements

- To use Topobase construction commands, the Topobase Document must be COGO-enabled in the Topobase Administrator.



- Construction layers have to be added to the Display Manager.



## 6.3 Basic Handling

- Be sure you activate the appropriate Document Tab for the feature you want to select.
- When you start a construction command, you usually are prompted to select the elements in the drawing or in the map.
  - To get an empty construction dialog box, press **Enter** instead of selecting positions.

**Intersection**

File View Element Calculate Help

Calculation

	Easting	Northing	Elevation	Offset	Radius	Azimuth
Element 1	FID = 9666	FC: Building		0.000	0.000	282.4400
Point 1	688205.758	335839.444		0.000	not defined	reverse
Point 2	688200.243	335837.883		0.000		
Element 2	FID = 9666	FC: Building		0.000	0.000	182.4437
Point 3	688206.103	335849.976		0.000	not defined	reverse
Point 4	688208.265	335842.336		0.000		
Intersection 1	688208.837	335840.315		points		
Intersection 2				show next		

1 intersection(s)

Calculate

Save options

Feature class

Landuse (Landuse)

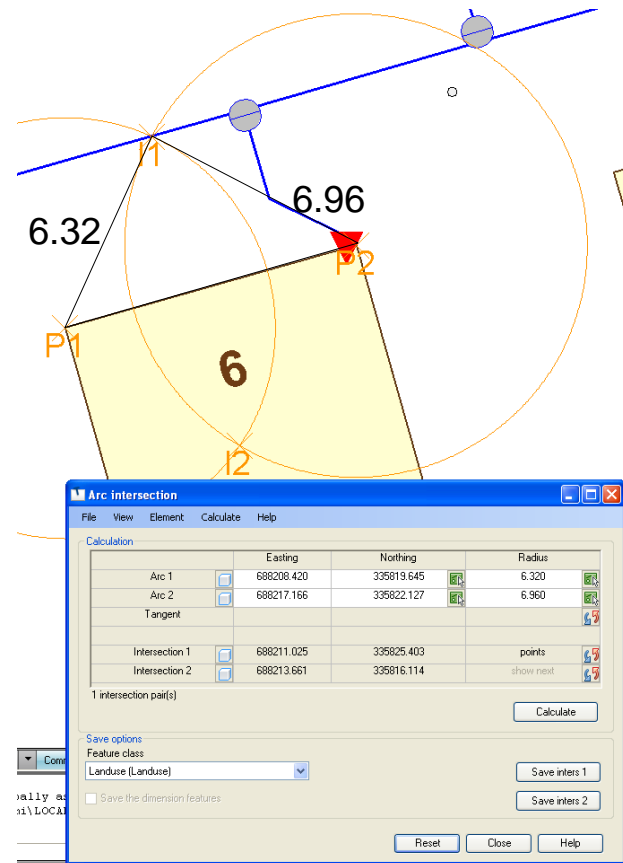
Save inters 1

Save inters 2

Reset Close Help

## 6.4 Example Arc Intersection

- Task: Construct a fitting with a position relative to two building corners.



## 6.5 Chapter Summary

You should now be able to:

- Choose a construction functionality for your needs
- Explain the requirements
- Explain the basic handling
- Use the arc intersection tool

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