

Charged with controlling obstacles in your airport's surroundings?



Developed by airport planners, for airport planners

Obstacle Surface Planner

The optimum tool for obstacle clearance compliance

Safe operations are the main priority for every airport. A critical component in achieving this involves the protection of departure and approach paths. Obstacle Surface Planner (OSP) assists with this challenge by allowing planners to precisely control and establish the multitude of existing or potential obstacles in an airport's surrounding environment.

OSP ensures compliance with ICAO and FAA regulations, which in turn helps to ensure maximum safety in all aircraft operations. The software effortlessly creates the various Obstacle Limitation/Clearance Surfaces through a series of built-in algorithms and analyzes the impact on these surfaces of any obstacle or terrain data that has been defined or imported.

- Surfaces presented graphically in a 2D or 3D AutoCAD environment
- Positions of fixed or temporary obstacles can be defined/imported (OSP+ only)
- Realistic 3D airplane models (PathPlanner Airside+ only)
- Terrain data can be imported and included in analyses (OSP+ only)
- Easily accessible icons and pull-down menus for systematic data entry
- Seamless integration in AutoCAD®, utilizing built-in 3D capability
- Easy integration of output into Airport Layout Plans or obstacle maps

Compatible with AutoCAD® (not LT) 2007 to 2009 (32 bit) and 2010 and later (32 and 64 bit)



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Obstacle Surface Planner

Core functionality for defining runway environments and generating Obstacle Limitation/Clearance Surfaces

REGULATIONS

- ICAO Annex 14
- FAA Part 77 / AC150-5300-13
- Optional National Guideline upgrades: Canada TP 312E, Germany BMVBW

RUNWAY DEFINITION

- Create runway environments; single or multiple runway scenarios, parallel or intersecting
- Define displaced thresholds, stopways, clearways and runway edges
- Define elevation points along the runway to ensure Transitional Surface accuracy
- Automatic Declared Distance calculations presented in visual format (LDA, TORA, TODA, ASDA)
- Define approach and departure scenarios, for each runway end

OBSTACLE LIMITATION SURFACES

- Create Obstacle Limitation/Clearance Surfaces and Obstacle Free Zones
- Adopt/nominate an elevation datum for the entire airport or set values for individual runways
- Include contour lines for height intervals as specified by the user
- View Obstacle Surfaces and Obstacle Free Zones in 2D and 3D

GENERAL ADMINISTRATION

- Define Airport Reference Point coordinates
- Change layers and colors to create a CAD-based graphical depiction
- Control work using extensive administration options

Obstacle Surface Planner+

All core functionality above, plus advanced tools to define 3D obstacles and terrain and assess clearances

BUILDINGS/OBJECTS

- Define/import positional data for fixed or temporary obstacles
- Assess obstacle clearance to show object height at surface and amount of penetration
- 3D depiction of obstacles that are penetrating the 3D surfaces
- Generate an overview information table for all obstacles in the session

TERRAIN/HEIGHTFIELD

- Import data for the surrounding terrain, i.e. closely located mountains, hills or landmarks
- Assess obstacle clearance to show terrain height at surface and amount of penetration

IMAGES

- Add or import images into the model

OUR PARTNER:

