SE7EN: Mission Planner

When time and precision count, use SE7EN: Mission Planner to digitally design, test and refine your missions.

- Plan and fully manage complex missions in a collaborative environment
- Capture, record and edit resource movements and mission time lines
- Geospatial mapping tools let you add multiple layers of information
- Save, store, playback and export missions at any time
- Remove, rotate, scale and nest resources for easy group management
- Integrate multiple datasets and feeds for up-to-the-minute intel and information
- Use the included MIL-STD-2525 symbols, add your own custom symbols
- Operates in traditional environments and on the leading multi-user, touch-optimized devices and systems

Mission planning has traditionally involved using sand tables, physical models, and paper-based documents, maps, and acetate overlays. These methods can be costly and time-consuming, don't support real-time testing and review, and require extensive re-work when missions need to be modified or iterated.

Now you can supplement or even replace these methods with a digital application that lets you create and revise mission plans on the fly in a collaborative environment.

SE7EN: Mission Planner is an interactive touch-optimized digital sand table that gives military and disaster-response mission planners the power to create, plan, and fully manage missions and logistical routing in a collaborative geospatial environment. Users can connect to and import data such as maps, images, and video from the cloud or local sources and generate mission scenarios, plan resources, and help task mission resources. And, SE7EN: Mission Planner leverages collaborative touch-optimized platforms for hands-on control of your mission environment.

SE7EN: Mission Planner supports applications for:

Defense and Intel
- Mission planning and training
- Wargaming
- After-action reviews

First Responders
- Situation awareness
- Hazardous route planning
- Emergency response rehearsal

Commercial
- Supply chain and logistics
- Shipping and delivery planning

Using natural hand gestures or a traditional keyboard and mouse, users can build missions from the ground up by adding resource objects to the canvas space. As users manipulate the objects, the system captures and records their movements, logging geo-location and route detail. These movements are automatically mapped to editable stages and waypoints to generate and manage detailed mission time lines.

SE7EN: Mission Planner provides step-by-step walkthroughs or full playbacks and keeps track of your altitude for relative views during mission play-through. Whether planners need to see one stage of the mission or several, the timeline controls give them full management to focus on the areas that matter most.

SE7EN: Mission Planner is designed for hardware flexibility, operating on both traditional hardware sets (desktops, servers, laptops) and with the leading multi-user, multi-touch devices and systems

Capabilities of SE7EN: Mission Planner include:

Distributed environment for collaborative planning.

SE7EN: Mission Planner has been architected to support multi-user collaboration. It maintains a central repository of missions that lets multiple personnel in different locations take part in planning, designing and reviewing missions. Desktops, laptops, and mobile devices are supported to maximize user participation and collaboration. Roles-based access to information ensures that rights and privileges determine who can see or work with particular information.

Intuitive, hands-on interface lets you go right to work.

The multi-user, touch-optimized interface makes it easy for mission planners to collaborate in designing and developing their missions. It uses familiar interface metaphors so that personnel don't have to adapt to a new user experience. The touch-screen, drag-and-drop interface makes it easy to add and edit properties and to move, modify, and animate symbols, stages, waypoints and other mission elements.

Create Missions and Plans.

Missions are made up of multiple plans, with stages and waypoints within each plan. For example, a mission can have plans for air, ground and sea forces, with contingency and alternate plans for each.

Start by creating a mission and filling in the plan template. You can also copy and paste existing plans within a mission or across missions, making it easy to re-purpose plans as needed. Missions can be sorted by name and by date/time to make it easy to scan through and find the mission you want to work with.

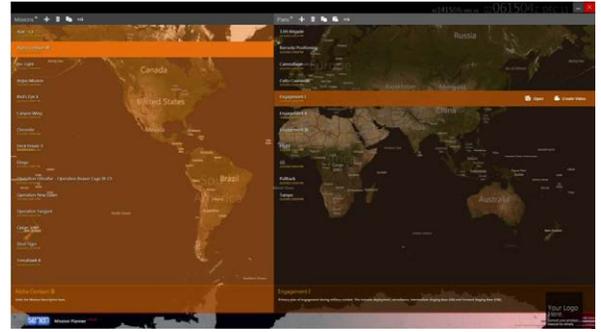### Add detailed layers of geospatial information to your mission plans.

SE7EN: Mission Planner's support for the WMS Interface Standard lets you choose details from many different geospatial databases to add to your maps, such as temperature, weather conditions, cloud cover, and others. You can adjust the transparency of each layer and click them on and off to see just the information you need.

Multiple views of your mission environment.

When creating a Plan, you can switch back and forth among Hybrid, Road View, and Aerial map views as you work. Numerous map formats including Microsoft Bing and OpenStreet Maps are available, with iconography managed and maintained by system users.
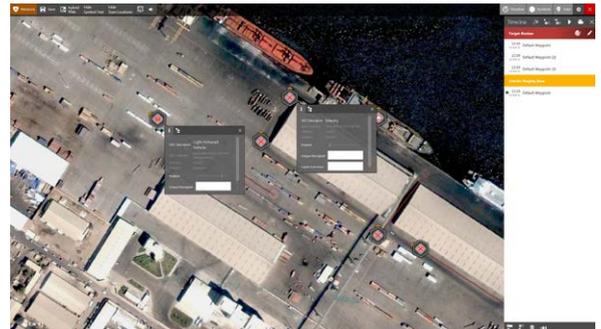
Add Stages and Waypoints.

SE7EN: Mission Planner lets you create and plan stages, edit stage names, and set the symbol and path color for waypoints. You can choose the symbol to represent the waypoint, capture any movement occurring within a stage, and set times for waypoint events such as takeoffs and landings. Set, edit and display waypoint names, locations, and date and time of execution. Also, record and animate waypoints.
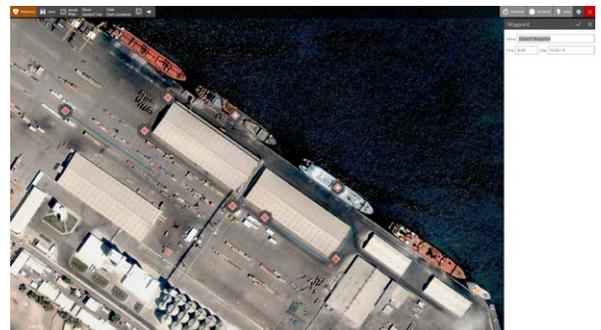

The Mission Center is your dashboard to access and review all missions and plans. Here you can sort, create, copy, edit, re-name, save, and delete missions, plans, and plan elements.
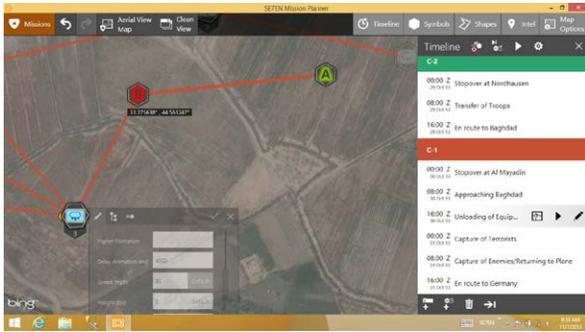

WMS map views and layering capabilities let you add detailed layers of geospatial information to your mission plans.

SE7EN: Mission Planner makes it easy to add and edit properties and attributes of symbols, stages, waypoints, other mission elements.
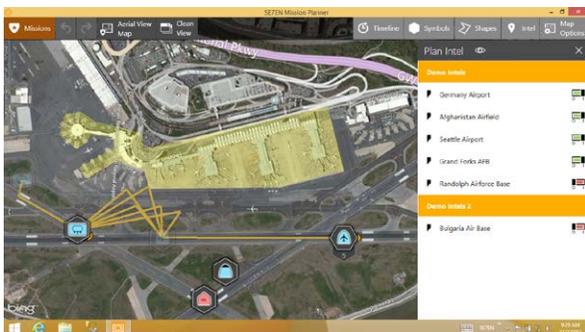

SE7EN: Mission Planner lets you rapidly create, name, and edit waypoints for mission stages.

Advanced "in mission" editing capabilities let you adjust routes and movement, add speed, distance, altitude, and other attributes governed by business logic to ensure precision in mission planning.

SE7EN: Mission Planner lets you draw custom shapes to create areas of interest and manage related intel.

A complete collection of MIL-STD-2525 symbols are available to rapidly create clear and precise diagrams of your mission.

The Map Intel panel gives you quick views of critical map intelligence data, including name, coordinates, and description.

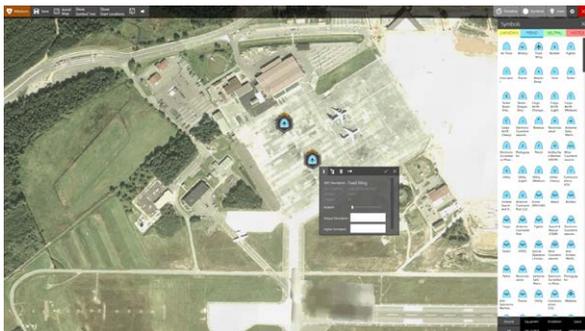## Advanced timeline capabilities let you build and review precise mission plans.

SE7EN: Mission Planner lets you add, modify, delete, and animate the stages and waypoints of a selected mission plan. Stages and waypoints can include time and date; speed and distance; altitude and depth; object weight and dimensions, and other attributes that ensure precision in mission planning.   Business logic that reflects these attributes manages the relationship among stages and waypoints to calculate automatically the duration of a mission.

Flexibility in drawing and animating mission elements.

Quickly draw freeform or lineform paths (straight or curved) for symbols. You can then play back the mission to see your plans unfold and adjust them as needed. You can play waypoints step-by-step or play back the selected plan's stages and waypoints in their entirety. You can also overlay audio to add narrations to your mission videos.

A deep palette of standard symbols and icons.

The Symbols panel offers a deep palette of MIL-STD-2525 icons including military and emergency management symbols to rapidly model your mission plans. You can also upload your own custom symbols to meet your specific planning requirements. Select the symbology templates you need, point and touch the icons to add them to the plan map, then drag to position them. You can also filter to select just the symbol sets you need.

Full control over actively deployed resources.

Resource objects can be added and removed, rotated and scaled, and nested within one another for easy group management. You can modify symbol information, add and change symbol directions, and animate symbols with freeform paths or straight and curved lines.

Smooth integration with enterprise datasets.

SE7EN: Mission Planner makes it easy to add, display, and manage mission intel as geo-located Points of Interest including location, images, and real-time or recorded videos that display directly on the map. Tap on an Intel pushpin to display details about the map intel, then zoom in on the map intelligence data's location. Data can be drawn from the cloud or local/network resources.

Import, export, save and store missions.

SE7EN: Mission Planner automatically saves missions and changes made by the user for later review and to copy and modify for future missions. You can also save the recorded video to MP4 or MPEG format, import missions to Microsoft PowerPoint, and import and export missions as KML/KMZ files.
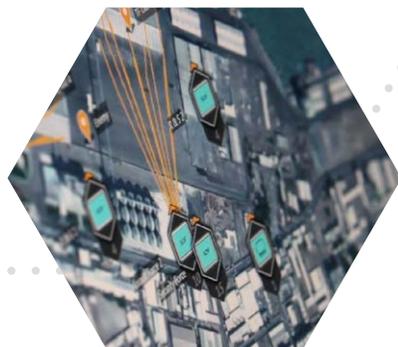
Key Features

Intuitive, user friendly interface

- Point and touch to add symbols, touch and drag to move into place
- Animate mission elements with freeform and lineform (straight and curved) paths
- Complete set of MIL-STD-2525 icons – Select Friendly, Hostile, Neutral and Unknown forces, emergency management symbols; also upload your own custom symbols
- WMS Interface Standard to add multiple layers of rich geospatial detail to mission plans
- Tabs and panels let you pull up only the tools you need for the task at hand

Easy to see and work with all mission elements

- Resizable and scalable icons adjust according to altitude and perspective
- Show and hide waypoints with ghosts of original start point
- Complete spectrum of color options for symbols and paths
- Easily edit attributes and properties of mission elements

Quickly review and revise missions and plans

- Play back missions step-by-step or all at once
- Add audio narrations to your mission videos
- Record, save, and export missions as MP4 / MPEG videos for re-use in other applications

Easy to add and manage multiple datasets into mission plans

- Multiple map views: road, aerial, and hybrid, leveraging Bing Maps and OpenStreet
- Integrate and manage geo-located Points of Interest
- Include location, images, and real-time video that display directly on the map
- Weather feeds: depict weather conditions in radar/satellite overlays

SE7EN: Mission Planner gives you the tools you need to orchestrate the tremendous resources involved in military and disaster-response planning. With SE7EN: Mission Planner, you can design, test and revise your missions in a flexible, easy-to-use interactive application to ensure mission success from the start. Please contact us for more information on how we can develop and deploy SE7EN: Mission Planner for your requirements.

Contact Telos for More Information