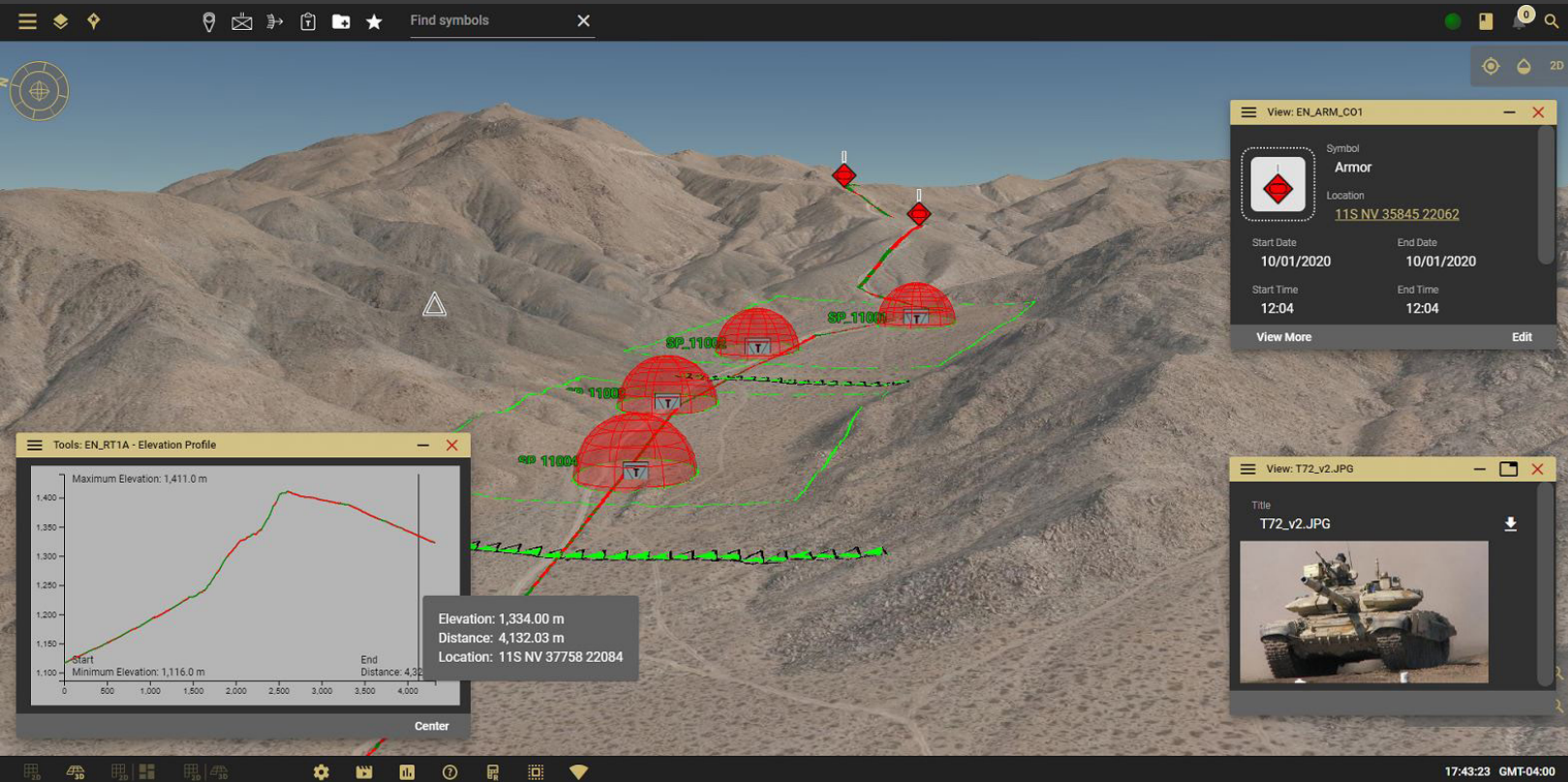


Terrain Shaping Obstacle-Management System (TSO-MS)

The Combat Engineer's Toolkit



Visualize, Understand, and Shape the Terrain

TSO-MS empowers Combat Engineers to efficiently analyze, plan, rehearse, execute, and review countermobility operations. Backed by an innovative network solution that is resilient to tactical network challenges, TSO-MS utilizes an intuitive map-centric interface, including unique multimedia tools, advanced planning capabilities, and visualizations focused specifically on obstacle planning.

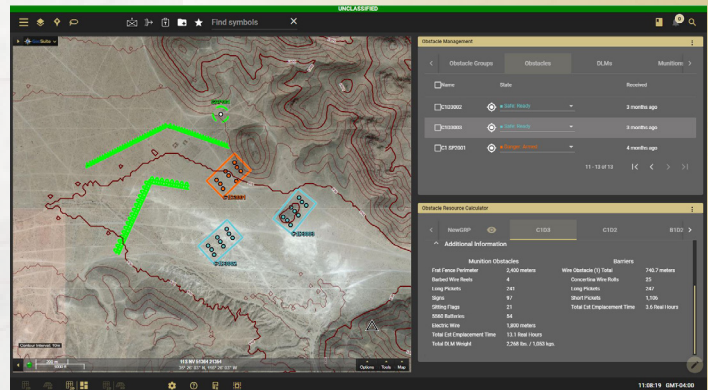
With a focus on rapid dissemination and sharing of critical information, TSO-MS delivers real-time actionable data to Combat Engineers, Task Force Engineers, and Sappers in both robust and austere environments.

Streamlining Countermobility Operations

- Supports obstacle usage from planning to management
- Rapid, robust engagement area development
- Best in class imagery features
- Provides complete obstacle situational awareness
- Calculates optimal emplacement of obstacles based on desired effect
- Automatically calculates the resources required
- Offers target detection area and hazard zone layers

Mission Planning

- 2D and 3D maps with terrain analysis tools
- Dynamic and customizable layers
- Military Standard graphics and support for custom symbol sets
- COA development and analysis
- Supports MIL-STD-6017 messaging



Rapid Obstacle Emplacement



- PowerPoint export optimizes obstacle briefing
- Handheld app complements bottom-up refinement
- Regular obstacle position and status reporting
- Automated resource calculations for efficient logistics
- Streamlined obstacle reporting and tracking process

Obstacle Management

- Synchronize countermobility operations across multiple echelons
- Track obstacle effectiveness
- Custom alerting reduces cognitive burden
- Increases efficiency of RIP/TOA process
- Manage multiple remote control stations

