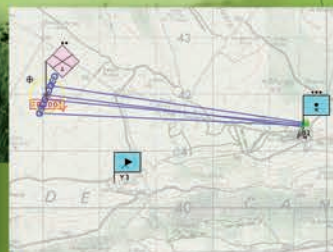
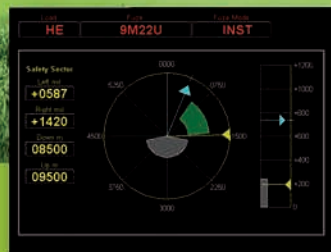


SPIDER ARTILLERY

TACTICAL FIRE MANAGEMENT SOLUTIONS



A COMPLETE SUITE FOR INDIRECT FIRE SUPPORT MANAGEMENT

- > GUN FIRE CONTROL SYSTEM
- > FULLY INTEGRATED FIRE MANAGEMENT SYSTEM
- > HANDHELD FIRE CONTROL COMPUTER



SPIDER ARTILLERY

Tactical fire management solutions

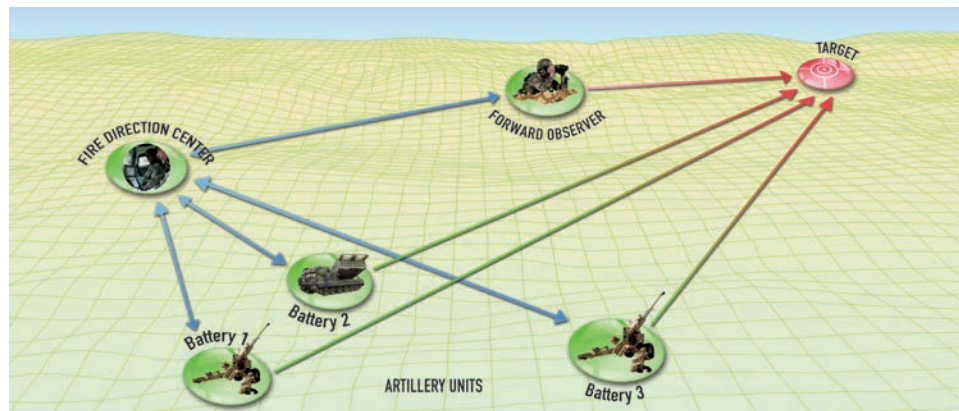
Part of Safran Electronics & Defense's SPIDER battlespace digitization solution, Spider Artillery offers a complete suite of tactical solutions for indirect fire support management. It automates the overall firing chain, resulting in improved firing accuracy and safety. Spider Artillery is ergonomic, flexible and rapid to deploy on the battlefield theater. It is available in 3 different solutions: Spider WMS, Spider FMS and Spider FCC.

SPIDER WMS: Shoot and scoot

Weapon Management System

Designed for towed or self-propelled howitzers and multiple rocket launchers, Spider WMS transforms both new and in-service guns into an extensive fire unit:

- **Shoot and scoot:** rapid deployment, relocation and accurate gun laying
- **Fully-qualified NATO ballistic computation,** for any kind of ammunition (shell, smart ammo, rocket)
- **Safe and proper operation:** interfacing, monitoring gun sensors, travel lock and mechanical limits
- **First-round hit probability:** inertial navigation system for high-precision gun positioning and pointing
- **Interface with Fire Management System** customizable to existing legacy tactical combat radio.



SPIDER FMS: From sensor to shooter

Fully integrated digital Fire Management System

Spider FMS automates the entire firing chain: from the Forward Observer designating the target, down to the piece of ordnance, through the fire support's assessment and coordination levels, with a deterministic response time. Based on agile and highly reliable radio networks spread over the battlefield, it encompasses:

- **A Fire Direction Center:** it provides powerful tools for managing all aspects of Artillery operations:
 - Firing solution computation
 - Order and report processing
 - Situation awareness
 - **A Gun Commander Display** for all type of platforms
 - **A Forward Artillery Observation Station** with lightweight day/night target acquisition sensors
- Spider FMS can be specially configured to meet mission-specific requirements.



SPIDER FCC: Lightweight and standalone

Handheld Fire Control Computer

Displayed on a lightweight computer, either handheld or integrated into the combat vest, Spider FCC provides platoon commanders with an intuitive MMI customized to the end user's operating procedures.

It may be customized for use with any weapon or ammunition and performs:

- Complete ballistic computation of dispersed fire, for up to 8 guns
- Safety control and crest clearance
- Ammunition stock management
- Comprehensive survey calculation

- JIM LR optronics device for target acquisition
- SIGMA 30 inertial navigation system for accurate gun location & pointing
- Smart communication radio network
- Enhanced ballistic computation component

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