



SUCCESS STORY

Muzzle Velocity Radar for Battlefield Artillery

Improving artillery accuracy in a compact, rugged and light weight mmWave system

The ability to rapidly determine the velocity of a projectile is essential on the battlefield. With so many variables, it is crucial to be able to measure and react to minute changes to deliver lethal effect with lower risk of collateral damage. Spectrum Control's Muzzle Velocity Radar (MVR) is the solution.

Designed & manufactured in the UK, backed by decades of mmWave experience

Spectrum Control's innovative Muzzle Velocity Radar is a single unit that measures a projectile's velocity to allow for compensation against the effects of gun barrel wear and temperature differences. Plus, by measuring the variations between projectile and propellant batches, this reduces aiming errors and enhances overall effectiveness.

Spectrum Control's MVR supports improved hit probability, enables faster fire-for-effect and can reduce the amount of ammunition expended

By operating in the 24GHz mmWave band, Spectrum Control's MVR delivers better accuracy than traditional X-Band systems -- and makes it more difficult for opponents to detect the presence of artillery.



Spectrum Control's Muzzle Velocity Radar



Operational Advantages

- Improved accuracy and repeatability
- Less ammunition required
- Easier concealment
- Easy to use with existing fire control systems
- Minimal training
- Fit-and-forget reliability

Product specifications:

- Compatible with all types of ammunition
- Serial digital interface
- Low power consumption
- Built-in-test features