

17 February 2013

## **Rheinmetall: Powerful pyrotechnics for police and force protection**

In contemporary operations, where asymmetric threats are omnipresent, it can be hard to draw a hard and fast distinction between internal and external security. The duties of armed forces and internal security agencies often overlap, meaning that both require a multifaceted array of equipment and capabilities.

At IDEX 2013, leading system supplier Rheinmetall Defence of Germany will be on hand, displaying an extensive range of products for police forces, security services and the armed forces. These include a wide array of powerful pyrotechnical effectors.

Rheinmetall's Stabilized Illumination Device (SID) is an advanced illumination system designed for border protection and camp security. The SID is available in white light or infrared (IR). Triggered by command wire whenever required, it provides high-power illumination for around 72 seconds, even in strong winds. The unit can be deployed for up to a year in all weather conditions. For advanced illumination effects, two or more SIDs can be connected in series.

The multi-effect, multi-purpose trip flare signal kit M/01 is a versatile trip flare which offers a variety of effects. The same mechanical base element of the trip flare can be used to select the type of illumination, IR flare, whistle and bang, signal flare or smoke. Even after the signal kit is deployed, the effects can be switched, which makes it much more easier to react to changing visibility conditions or the evolving tactical situation. The most important advantage compared to similar devices is that the igniting unit is separated from the pyrotechnical effect charge. The independent ignite makes it safer for the user because the igniting unit can be installed first without the pyrotechnics. After that the pyrotechnical payload can be screwed on to the igniting unit.

In the ordnance field, Rheinmetall is displaying its new generation flash-bang grenade, which features bottom-top venting (BTV) technology. Its new chamber system is designed for different decibel levels: 180 dB for military applications and 170 dB for law enforcement operations. For added flexibility, the new generation can be used either with a conventional flash-bang charge or with a newly developed perchlorate-free one, which also produces less smoke.

Rheinmetall has also improved the performance of the classic Spirco rapid smoke/obscurant grenade. In addition, its new red phosphorous smoke/obscurant grenade, known as ISIS (standing for "Infrared Smoke Instantaneous Spread"), creates a smokescreen in the space of a second that is impenetrable to optical, night vision and infrared devices.

Designed for illumination, signalling, communication as well as marking and screening, the handheld MITHRAS rockets are efficient instruments in battlefield illumination, border control and line of sight breaking to blind the opponent. They feature ranges of 300, 600 and 1,000 metres, and come in normal, IR and smoke versions. In his latest adventure, "Skyfall", James Bond uses a MITHRAS rocket, while in the real world, the British, Czech, Danish, Estonian, Lithuanian, Omani and Thai armed forces have already introduced this innovative modular rocket system as well.

**For more information, please contact:**

**Oliver Hoffmann**

**Head of Public Relations**

**Rheinmetall AG**

**Tel.: +49-(0)211-473 4748**

**[oliver.hoffmann@rheinmetall.com](mailto:oliver.hoffmann@rheinmetall.com)**