

04 April 2022

## Rheinmetall unveils its new AMMR: a state-of-the-art radar for C-UAS, SHORAD and VSHORAD applications

Rheinmetall has unveiled the Oerlikon AMMR, the Group's latest radar system. The Oerlikon AESA Multi-Mission Radar (AMMR) was developed entirely at Rheinmetall Italia in Rome, underscoring once again the subsidiary's role as Rheinmetall's radar centre of excellence. The new radar is now ready for series production.

Rheinmetall's new radar responds to highly challenging current and emerging short- and very short-range aerial threats: the new radar successfully detects and processes mini- and micro-unmanned aerial vehicles; incoming rockets, artillery and mortars engaging in high angle attacks; as well as air/surface weapons and cruise missiles. Thanks to adaptive full digital beamforming techniques in the S-band, Oerlikon AMMR automatically detects, classifies and tracks the full spectrum of aerial threats.

Rheinmetall Italia's Oerlikon AESA Multi-Mission Radar is a state-of-the-art modular radar offering superior performance and ease of operation as well as integration into a wide range of platforms. It can track and classify multiple threats simultaneously. Oerlikon AMMR is designed to operate in stationary mode or on the move, even under gruelling environmental and jamming conditions. Moreover, it features cutting-edge electronic counter-countermeasures. The radar is fully software defined, with a configuration capable of adapting to the specific operational scenario. It can be easily upgraded in future to keep pace with evolving threat scenarios.



In February 2022 Rheinmetall Italia held an Open Day event to demonstrate the new Oerlikon AMMR. The successful event was attended by representatives of all four branches of the Italian armed forces – Army, Air Force, Navy and Carabinieri – as well as representatives of the National Armaments Directorate, the Defence Staff, the Italian State Police, and the Presidency of the Council of Ministers.

### ► Key facts

- Rheinmetall introduces the new Oerlikon AESA Multi Mission Radar
- A state-of-the-art modular radar, designed to operate in stationary or mobile mode
- Developed by Rheinmetall Italia, the Group's radar centre of excellence
- Responds to all current and emerging short- and very short-range aerial threats

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