

Remotely Operated Weapon Stations - Market and Technology Forecast to 2031

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Abstracts

After more than 20 years of use in the field, Remotely Operated Weapon Stations have become a well-established market. The advantages they offer are significant, including crew protection, increased accuracy, first-round hit probability, target recognition and identification, low production, integration, and operational cost. Most importantly they can significantly increase the firepower of smaller and legacy platforms, thus increasing their range of capabilities or extending their utility in the modern battlefield.

The outbreak of the war in Ukraine has shown that a confrontation between peer or near-peer competitors is not a possibility that could happen in the distant future, but a highly likely scenario. In such confrontations, firepower, long-range fires and ISR are elements that play a key role. However, the defence industries were unprepared for the requirements of a high-intensity warfare, and they have been struggling to deliver the required capabilities. That is an issue further exacerbated by the risks posed by the current economic and political climate which impacts defence budgets and supply chains.

In such a tight framework ROWS can deliver significant capabilities to new and legacy platforms in a timely and affordable manner. There is also an important development in the ROWS market that no one should disregard, as they are expected to change the conduct of combat operations. Just as radio brought a small revolution in technical and military affairs when it was used as a medium to guide weapons, ROWS will bring a similar change, not only as standalone systems but also as part of a networked environment and on top of unmanned ground or surface vehicles.

The current global security environment poses many challenges either in the form of low-intensity conflicts too. With major forces around the globe being in need of fielding

disruptive technologies with fire delivery capabilities, platforms or unmanned systems with ROWS, interconnected through IoMT over a C2 backbone, will serve that goal effectively and affordably.

Recognizing that potential of the market, a significant number of manufacturers around the world are positioning themselves by developing their own ROWS. That creates a highly competitive environment for businesses, which will be better served through the creation of economies of scale.

Market Forecast provides a detailed analysis of the Remotely Operated Weapon Stations (ROWS) market up to 2031 in terms of technologies, end-users and platforms, acquisition programs, leading companies, and opportunities for manufacturers. The report also provides the case studies that would help readers better understand the nature of the market and the underlying factors affecting the procurement of ROWS.

Covered in this report

Global market share assessments for all types in numbers delivered and value up to 2031.

Market share assessments per segments and regions up to 2031.

Snapshot on global security issues, defence budgets, spending patterns and how these affect the procurement of ROWS systems.

Focus on US, European, Asian-Pacific and Middle East procurement programmes.

Case studies with some of the world's biggest acquisition programs that have ROWS an integral part of the equation.

Market Dynamics: An insight on the latest technological developments in the ROWS market and which countries are changing their preferences, are in position to absorb the new technology and adapt their modus operandi.

Roles for all types: Insight on how ROWS fit into a military or security concept of operations and how they form a revolution in military affairs.

Main military ROWS technological trends.

Market Trends: Drivers, Trends, Opportunities and Risks for the stakeholders that want to stay ahead of the competition.

Profiles for the leading companies.

Segmentation

We have segmented the market by Region, Application (domain), and End-Use.

Region

Americas

Europe

APAC

Middle East & Africa

Application

Land domain

Naval domain

End-Use

Defence

Security

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