

Europe Smoke Grenade Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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Abstracts

The Europe smoke grenade market is projected to grow significantly, reaching an estimated US\$ 129.41 million by 2031, up from US\$ 93.44 million in 2023, reflecting a compound annual growth rate (CAGR) of 4.2% during the forecast period. This growth is primarily driven by the increasing demand for smoke grenades in various sectors, including military, law enforcement, and commercial applications.

Smoke grenades are utilized in Europe for a variety of purposes such as signaling, screening, obscuring, riot control, and marking landing zones. The market is segmented by country, including Germany, France, the UK, Italy, Russia, and the Rest of Europe. Notably, military expenditure in the region has surged, rising from US\$ 355.7 billion in 2022 to US\$ 465.8 billion in 2023, with Russia accounting for the largest share at 23.4%. This increase in military spending, particularly in light of the ongoing Russia-Ukraine conflict, is expected to further stimulate the smoke grenade market from 2023 to 2031.

Market Segmentation Analysis

The Europe smoke grenade market can be categorized based on type, application, and end user.

1. Type: The market is divided into hand-operated and launcher-operated smoke grenades, with hand-operated grenades holding a larger market share in 2023.
2. Application: The applications include signaling, screening and obscuring, riot control,

and others, with signaling being the dominant application in 2023.

3. End User: The market is bifurcated into military & law enforcement and commercial sectors, where military & law enforcement accounted for a significant share in 2023.

Market Outlook

The demand for smoke grenades, particularly for signaling applications, is a key driver of market growth. Ground-to-air signaling is essential in search and rescue operations, where smoke grenades enhance operational capabilities in both urban and remote locations. The increasing use of helicopters and vertical take-off and landing (VTOL) aircraft necessitates effective signaling methods, further boosting the smoke grenade market.

The rise in the number of helipads and vertiports for helicopter and VTOL operations is also contributing to the demand for smoke grenades. Countries like Indonesia, Japan, South Korea, Malaysia, Canada, Italy, and the UK are investing in the construction and upgrading of these facilities, which will likely increase the need for signaling devices such as smoke grenades. For example, a collaboration between Siemens and Skyway in January 2023 aimed to develop vertiport infrastructure to support emerging VTOL aircraft operations.

Country Insights

The market analysis reveals that Russia held the largest share of the smoke grenade market in 2023. Following its invasion of Ukraine in February 2022, Russia has significantly increased its military and defense spending, with a proposed budget for 2024 allocating 6% of its GDP to these sectors. In 2023, Russia's military spending reached approximately US\$ 109 billion, marking a 24% increase from the previous year. This heightened military expenditure is expected to drive demand for smoke grenades in the coming years.

Additionally, advancements in smoke grenade technology are anticipated to further enhance market growth. For instance, in August 2022, TsNIITochmash introduced a new smoke grenade, the RDG-U, at the Army-2022 military expo, which operates effectively in extreme temperatures ranging from -50 to +55 degrees Celsius.

Company Profiles

Key players in the Europe smoke grenade market include ARSENAL, Rheinmetall AG, Chemring Group Plc, Condor Non-Lethal Technologies, Nammo AS, NonLethal Technologies, Inc., Centanex Ltd, 3rd Light Ltd, Wescom Group, and HFI Pyrotechnics Inc. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative products to consumers.

In summary, the Europe smoke grenade market is poised for growth driven by increased military spending, technological advancements, and rising demand for signaling applications across various sectors.

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