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Unleashing an Enormous Wave of Innovation

As a leading player in the development of Naval Systems and Sonar Technologies, ASELSAN continues to solidify its leadership in the field of Sonar Systems through its pioneering role. Leveraging its extensive technological expertise and accumulated knowledge, ASELSAN has introduced the innovative and game-changing Low-Frequency Active Sonar System (DÜFAS), enabling revolutionary advancements in Anti Submarine Warfare (ASW).

DÜFAS, developed entirely with indigenous resources and cutting-edge capabilities, harnesses over 15 years of experience, knowledge, and achievements in the domain of Underwater and Acoustic Systems. This state-of-the-art system offers a comprehensive range of features, including the ability to detect silent underwater threats, such as submarines, from long ranges. With its adjustable depth, towed configuration, and active/passive capabilities, DÜFAS surpasses only a handful of comparable systems worldwide, boasting exceptional performance in terms of size, weight, and acoustic capabilities.

By transmitting FM, CW, or specialized acoustic signals through its active body, the system captures the reflections of these signals via passive sonar, thereby creating a detailed underwater tactical picture. This picture enables long-range target detection and tracking. Furthermore, DÜFAS provides high-precision detection over expansive areas by using the long length pulse transmission feature. In passive sonar mode, the system listens to ambient noises, effectively identifying threats like torpedoes. Distinguishing itself from its counterparts, DÜFAS integrates the HIZIR Torpedo Countermeasure components, offering users optimal countermeasure tactics and ship evasion maneuvers to neutralize torpedoes launched from enemy platforms.

Designed to operate effectively across various classes and sizes of surface vessels, DÜFAS features a flexible and upgradable architecture, catering to the specific needs of users and platforms. Its implementation ensures enhanced protection against threats at different ranges and depths, positioning DÜFAS as the key player in executing Anti Submarine Warfare (ASW).