

# Air Independent Propulsion Systems For Submarine Market Analysis And Global Forecast To 2022

*Global Air Independent Propulsion Systems for Submarine Market Information Report By Fit, By Type and Region - Forecast To 2030*

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Key Players: SAAB AB,  
Siemens AG, DCNS SA,  
China Shipbuilding Industry  
Co., Ltd., UTC Aerospace  
Systems”

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published a half cooked research report on global [air independent propulsion systems market](#). The global air independent propulsion systems market is expected to grow with a high CAGR during the period 2015 to 2030.

#### Market Highlights:

Air Independent Propulsion (AIP) technology allows diesel submarines to operate without having to surface to access atmospheric oxygen. For a submarine to remain submerged for extended periods, without the need to surface, augments

range and improves underwater endurance, at a lower cost than nuclear propulsion, while preserving the advantages of traditional diesel electric power. This helps diesel submarines to carry out operations in a stealthy manner reducing their chances of being detected by ships and aircrafts. Air Independent Propulsion System (AIP) uses a various methods such as closed-cycle diesel, fuel cells, sterling engines, and closed cycle steam to extend a traditional powered submarine's ability to stay submerged. Generally, all AIP systems consist of an engine, fuel, a means to use the fuel without access to the atmosphere, a generator attached to the engine, and a battery. The popularity of these systems has gone up and there is large number of navies wanting to build submarines with AIP systems. These days, several AIP schemes are under development or already in operation, can increase slow-speed endurance to as much as a month. While it is still dwarfed by the potential of nuclear power, AIP offers diesel submarines a remarkable increase in capability.

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#### Key Players of Air Independent Propulsion Systems Market:

- SAAB AB (Sweden)
- Siemens AG (Germany)
- DCNS SA (France)
- China Shipbuilding Industry Co., Ltd. (China)
- UTC Aerospace Systems (U.S.)
- Lockheed Martin Corporation (U.S.)
- General Dynamics Corporation (U.S.)
- Kongsberg Gruppen ASA (Norway)

#### Market Research Analysis:

Market Research Future analysis shows that the global air independent propulsion market is

estimated to grow at a rapid pace by the end of 2030. Possibility of retrofit for AIP exists in this market considering the low cost of AIP systems along with the operational stealth, operational endurance among others which the AIP system fitted submarines provide. Moreover, North America is expected to hold the largest market share in the global air independent propulsion systems market. The region has witnessed increased investment in defense, majorly to strengthen its naval capabilities. With changing political and economic scenario in the U.S., there are seen additional funds allocated to the country's navy. These investments are targeted on the shipbuilding and submarine building. The increase in naval spending is expected to counter the threat from resurgent countries. Whereas, China continues to spend heavily on its defense, especially navy. As part of their national security, strategic investments have enabled them to exponentially increase their naval capabilities. Further technological advancement in the shipbuilding and submarine building in the country is expected to augment the market for air independent propulsion system in the region.

#### Scope of the Report:

This study provides an overview of the global air independent propulsion systems industry, tracking market by retrofit and linefit, each across four geographic regions. The report studies key players, providing a five-year annual trend analysis that highlights market size, volume and share for North America, Europe, Asia Pacific, and Rest of the World. The report also provides a forecast, focusing on the market opportunities during the forecast period for each region.

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In order to stay updated with technology and work process of the industry, MRFR often plans & conducts meet with the industry experts and industrial visits for its research analyst members.

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