Global C4ISR Systems Market 2015-2020

Description:
C4ISR stands for Command, Control, Communication, Computers, Surveillance and Reconnaissance. The C4ISR is mix of software and robust hardware, where-in the absence or lack of either will make the system handicapped and incapable of proper and efficient functioning. The C4ISR systems market is increasingly making progress into the core of the defence systems across the globe. The current defence market spends about $28 billion on electronic warfare, and it is estimated to grow to an approximate $35 billion in this forecast period. Although the market has lots of R&D to perform in the current developmental scenario, the market is expected to grow at an approximate 4.2% compounded annual growth rate for the forecast period.

The current expenditure and loss in maintaining armies for peace missions or freedom movements or war on terror missions are financially expensive and in-terms of man power spent due to fatalities on warfield. Increased pressure from martyrs and taxpayers to reduce casualties and to avoid war like situation, government is making investment in advanced warfare systems.

The C4ISR resolves the problem of fatalities in the war field by integrating weapons systems with electronics hardware and organic control systems. The C4ISR objective is to provide situational awareness that enables decision making in real time, near real time and in the future at all levels of command and authority. Better decisions means reduced need of personnel. As the number of personnel spent in each mission is reduced, the cost for mission falls by a huge margin. Each of these C4ISR systems are operated and maintained independently and can be designed to need single individual to operate a group of such systems as one device. Also the C4ISR enables the army to conduct and operate weapons for surgical tactical missions remotely over satellite networks.

The market for C4ISR market will become broader as newer advanced weapons come into market. And as automation is in the cards the future weapons systems will get heavier guns and higher fire-power. Higher fire power will need better recoil stability systems without the scope for error. The C4ISR system can prove to be the saviour in such scenarios with its added user control and automation. The C4ISR system uses a series of electronic devices linked in a network through high bandwidth encrypted communication terminals over satellite networks, operating on cross domains in a real time scenario.

The C4ISR market is a part of the electronic and non-electronic warfare, also having major role inside the advanced weapons development section. The faster the vendors and manufacturers integrate multiple devices on a single platform, the better chances they have on leading the C4ISR market.

The C4ISR market in North America is driven by U.S and Canada. U.S has been under pressure for its involvement in the overseas mission for freedom from terror by allies and enemies alike both at home land and in foreign lands. United States priorities should shift in building better C4ISR platforms to strengthen national security. A crunch in defence budget will prove fatal for U.S security. U.S had for seen the possibility in 2011 and requested an increase in its C4ISR budget to $43.3 billion, a $600 million increase over the 2011 enacted level. Canada will have to increase its investment in C4ISR if it plans to stay independent and protect itself from threats in the neighbourhood and overseas.

In the Asia-Pacific region, China and Russia being the two major super powers, will follow suit with U.S to keep the threat of an attack from neighbours and the U.S at bay. China shares borders with India, Pakistan, Afghanistan, Myanmar, South Korea, North Korea and Russia. It has been long known that Chinese army has been in conflict with India over border. Thus a development in Chinese C4ISR systems will also drive the Indian defence budget for increased investment in C4ISR. Which in turn will drive investments in C4ISR systems by Pakistan, Iran, Israel, Sri Lanka and Myanmar to name some.

Alongside, China's maritime conflict of sea borders and dispute ownership of islands with Japan and Korea and the resultant involvement of the U.S as deterrent in the conflict will drive the Global C4ISR systems markets by a huge margin.

Similarly the threat from Russian military and mafia has turned to be a major driving factor for the EU nations to develop its own defence systems to safeguard its own interest and have a fighting chance against both declared and cold war. In the EU region, United Kingdom, France & Italy will be key players. UK
neighbour Ireland, will soon see itself pulled into the race for advanced C4ISR systems.

In the Middle East region, the threat from U.S over oil and gas resources and the prevalently dominating terrorist factions in the region will force the governments in the region to develop their own C4ISR systems or work in collaboration with big OEMs for building customised C4ISR systems.

Thales, Raytheon Systems LLP., BAE Systems PLC, Northrop Grumman Corp., Lockheed Martin Corp, The Boeing Company and Harris Corp., are some of the major players in the market. The market is segmented by Platform (Air, Naval, Land, and Multi-Platform), Purpose (Communication, Control, Command, Computers, Information, Surveillance, and Reconnaissance) and Geography (North America, South America, Europe, Middle East & Africa and Asia Pacific).

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