Li-Fi Market - by Devices (LED Bulbs, lamps, wireless Devices); by Applications (Aircraft cabins, Vehicles and Traffic Management, Others); by End-User Industries (Petroleum and Chemical, Aviation, Healthcare, Others) - Forecast to 2021

Description: Li-Fi, basically known as Light Fidelity or 5G Visible Light Communication systems, can be said to be the optimized version of Wi-Fi in modern times. It is basically a wireless optical networking technology which utilizes the light emitting diodes as a medium to enable high-speed communication. Data is transmitted by varying the intensity of LED lights at a rate much higher than what human eyes can follow. The concept of Li-Fi is currently attracting a great deal of interest, being an efficient alternative to RF and bringing in a greener, safer and cheaper future of communication. The report study includes the detailed demand analysis of the Li-Fi market on a global and regional scale for a five-year period of 2016-2021, both in terms of production volume (Units) and revenue ($billion).

The market is evaluated based on the key attributes such as the power in the hands of producers and consumers, analysis on the degree of competition, and threats from substitutes and new entrants.

Apart from the above, the report also includes segmentation based on devices, applications and end user industries. The technology uses LED bulbs, lamps and wireless devices such as PDA, Mobile phones and laptops. The major applications of this technology include applications in intrinsically safe environments such as RF restricted environments, aircraft cabins, operation theatres in hospitals, ocean beds and sensitive areas such as power plants. This technology can also be put to use in smart lighting applications, mobile connectivity, vehicles and traffic management, solar panel, street lamps, disaster management, seminars or lecture halls in education systems and so on. Many prominent end user industries such as Petroleum and chemical industries, Transportation, Healthcare and so on are showing significant improvements in this field.

Competitive landscape for each of the product types is highlighted and market players are profiled with attributes of company overview, financial overview, business strategies, product portfolio and recent developments. Market shares of the key players for 2015 are provided. Drivers, challenges and constraints which control the profitability of an industry are also analyzed in the report.

Among a wide range of manufacturers, major players that contribute to the Li-Fi market are:

- PureLiFi Ltd.,
- Lucibell,
- Oledcomm,
- Sunpartner Technologies
- LG Innotek Co., Ltd.

We provide profound data about the industry overview, financial overview, business strategies and recent developments.

The Li-Fi market has also been segmented based on geographical region: Americas, Europe, Asia-pacific and Middle-East & Africa. These geographies are further classified into countries holding prominent share in the VLC market for the forecast period. Major market revenue share is contributed by Asia-pacific region.

Asia-pacific region has proved to be the most dominant region for Li-fi market, with Japan and China leading the charge. However, U.S and Europe has also planned of a huge investment in this market in the near future.

Li Fi is an upcoming and emerging technology and it can serve as a competent for the various developing or already invented technologies. Further advancements in Li Fi research could potentially provide internet connectivity through the usage of LED lights, fostering the growth of greener, cheaper and brighter future of technologies.
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