Asia Pacific Automotive Adaptive lighting system Market - Growth, Trends and Forecast (2015-2020)

Description: The market for adaptive lightng systems (ALS) in Asia Pacific region is expected to reach $950 million by the end of 2020 with a CAGR of XX%. The market is expected to grow at a highest rate in the region over the coming 5 years, capturing a significant market share in the global adaptive lighting system sector. Adaptive lighting system is used for the purpose of providing an augmented vision to the driver during poor or no light situations. Class V and Class E are some of the common light modes integrated in the ALS controller for the vehicles in this region. Implementing an adaptive lighting system helps to detect whether there is light coming from other vehicles, and prevents the driver from the glare of other vehicles. The Adaptive Front-lighting System (AFS) is a part of the adaptive lighting system commonly used in a higher end passenger and luxury vehicles. The demand of AFS is mostly common as a type of ALS in the Asia-Pacific with increasing demand of luxury vehicles and other passenger vehicles in the region.

Improvement of visibility in the night time is a concern of critical importance due to the frequency of fatal accidents during the time. There are three modules implemented in the network structure of the ALS- Control Panel, ALS controller, ALS slave. The ALS controller is the major component and acts as the central controller of the light. The controller receives and analyses the sensor signals from the CAN bus, and makes the judgment to determine the movement and light intensity of the headlight. The controller sends commands through the LIN to the AFS slave for lamp movement and turns on and off all the lamps in the headlight. These controller also plays a critical part in providing an added advantage using selective lighting to highlight different objects in the road, which can be traffic signs and road markings, warning or hazard signs or objects that are hardly or not at all visible to the driver, such as animals or dimly lit pedestrians. The convenience this system provides in city traffic, would also considerably help to increase adoption of these systems in the densely traffic countries of India, China and Thailand.

The market for adaptive front lighting by application would have significant adoption in the front, with a share of around 72% in the market. India, China are considered to be the vibrant and dynamic markets for automotive component production in Asia Pacific. With the increased demand of automotive LED, from the market of India, Australia and Korea, the market for adaptive lighting is expected to receive significant impetus to grow in the forecast period. Among vehicle type the luxury vehicles has the highest application and would continue to grow at a reasonable rate, with the increase in penetration in the developing economies of the region. However, the market for OEM is expected to grow more than the market in the aftermarket. Osram, Philips, ZKW Group and HELLA KGaA Hueck & Co. are some of the key players in the manufacture of these systems.

What The Report Offers:

Market Definition along with identification of key drivers and restraints for the market.
Market analysis with the specific assessments and competition analysis in the ALS market of Asia Pacific.
Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies, which can influence the market.
Extensively researched competitive landscape section with profiles of major companies along with their strategic initiatives and market shares in the regional as well as in the countries.

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Contents:

1. Introduction
   1.1 Research Methodology
   1.2 Key Findings Of The Study

2. Executive Summary
3. Market Overview And Technology Trends
   3.1 Current Market Scenario
   3.2 Technology Trends
   3.3 Porter's Five Forces Framework
      3.3.1 Bargaining Power Of Suppliers
      3.3.2 Bargaining Power Of Consumers
      3.3.3 Threat Of New Entrants
      3.3.4 Threat Of Substitute Products And Services
      3.3.5 Competitive Rivalry Within The Industry

4. Market Dynamics
   4.1 Drivers
   4.2 Restraints
   4.3 Opportunities

5. Asia Pacific Automotive Als Market By Application (Growth, Innovations And Feasibility Of Als)
   5.1 Front
   5.2 Rear
   5.3 Others

6. Asia Pacific Automotive Als Market By Component (Growth, Innovations And Feasibility Of Smartkeys)
   6.1 Controller
   6.2 Sensors/ Camera
   6.3 Lamp Assembly
   6.4 Others

7. Asia Pacific Automotive Als Market By Vehicle Type (Growth, Trends And Durability)
   7.1 Mid-Segment Passenger Vehicles
   7.2 Sports Cars
   7.3 Premium Vehicles
   7.4 Others

8. Asia Pacific Automotive Als Market By Consumer Segment
   8.1 Oems
   8.2 Aftermarket

9. Asia Pacific Automotive Als Market, By Geography (Market Crackdown, Trends And Forecasts-Country Wise)
   9.1 Asia Pacific (APAC)
      9.1.1 Introduction
      9.1.2 India
      9.1.3 Japan
      9.1.4 Korea
      9.1.5 China
      9.1.6 Rest Of Asia Pacific

10. Competitive Landscape
    10.1 Introduction
    10.2 Market Share Analysis
    10.3 Developments Of Key Players

11. Key Vendor Analysis
    11.1 General Electric Company
    11.2 Hella Kgaa Hueck & Co.
    11.3 Hyundai Mobis
    11.4 Ichikoh Industries, Ltd
    11.5 Koito Manufacturing Co. Ltd
    11.6 Koninklijke Philips N.V.
    11.7 Magneti Marelli S.P.A
    11.8 Osram
    11.9 Stanley Electric Co. Ltd
    11.10 Valeo S.A.
    11.11 Zkw
12. Future Outlook Of The Market

13. Disclaimer

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