

Smart and Connected offices Market by Product (Smart Lighting, Security Systems, HVAC Control), by Building Type (Retrofit, New Construction), and Geography - Global Forecast to 2020

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Abstracts

Global smart and connected office market is witnessing an impressive growth due to the increase in need to have a cohesively networked office. As the name suggests, smart and connected office is a concept where network based devices are used for all the work in the company offices. This concept enables employees to undertake routine office tasks more efficiently and effectively due to reduced power consumption and increased coordination between the different functions in the organization. The report deals with the overall smart and connected offices market and includes primary smart office products such as smart lighting, security & access control systems, energy management systems, HVAC control systems, audio-video conferencing systems, smart glass and few others. They were found to reduce the power consumption and increase the productivities of the offices due to increased coordination and cohesiveness among the different functions in the offices. The smart and connected office market is studied in depth with the inclusion of the market segmentation along the above mentioned products.

Major components of the smart and connected offices which have been studied in the report are sensors, chipsets, memory, displays, processors, lighting windows and others. Major connectivity technologies are wired and wireless technology which helps in smooth flow of work in the office.

The smart and connected offices market is also mapped against geography. The market by geography is segmented by various economic regions such as Americas, Europe, APAC, and ROW. Apart from market segmentation, the report also includes critical



market data showing the PEST analysis, Porter's five force analysis, and value chain analysis.

The report encompasses detailed analysis of the global smart and connected offices market for a period spanning 2013-2020. Recent megatrends and micro trends in the global smart and connected market have been studied and the market forecasts for the period under study have been put forth. This report analyzes the findings by considering the market dynamics that shape it. These dynamics are categorized under three headers: drivers, restraints, and opportunities. The market estimation and forecasting have been done using market dynamics.

The report also gives detailed profiles of various companies currently active in the smart and connected offices market. In addition to the company profiles, the report does provide a competitive landscape (CL) of the key players for each product segment. The CL covers market share analysis, mergers and acquisitions, collaborations, partnerships, new product developments, and the key growth strategies of each player. Entire value chain in the global smart and connected offices market has been covered under the study revealing actionable insights for diverse kind of players in the value chain. Major players covered under the study include Siemens AG (Germany), Johnson Controls Inc. (U.S.), Koninklijke Philips N.V. (The Netherlands), Cisco Systems Inc. (U.S.), ABB Ltd. (Switzerland), Schneider Electric S.A. (France), Honeywell International, United Technologies Corporation (U.S.), Cestron Electronics Inc.(U.S.) and Lutron Electronics Co. Inc. (U.S.).



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About

The definition of Smart and Connected Office for this market study is as follows ?Smart office is a model for centralized monitoring of office environment by using networks of hardware and software, to increase overall operational performance.

Smart office network can be characterized by various communication protocols, which are prevalent in the Smart and Connected Office market. However, this market study covers most widely used communication protocols BACnet, DALI, Modbus, and many more.

Smart and connected office is an emerging concept in the present scenario. In many offices, employees are already using connected devices which help in increasing efficiency at work. For example, internet connected printers allows to print from pretty much anywhere. Similarly, IP phone offers a whole range of advanced features, from streaming music to video chatting with co-workers. In short, smart office is all about integration of Internet of Things (IoT) with devices and forming a connected office. The major products of smart offices are smart lighting, security & access control systems, energy management systems, smart HVAC control systems, audio-video conferencing systems, fire & safety control and few others.

The global smart and connected offices market was valued at \$XX billion in 2013, and is estimated to reach \$XX billion by 2020, at a CAGR of XX% from 2014 to 2020. The growth of the smart office market has increased due to the need of various factors such as security issues, energy management, and connectivity among all devices within the office, popularity of huddle rooms and concept of ?Bring Your Own Device? (BYOD). Therefore, companies are more interested in manufacturing smart products which will later contribute towards smart office growth.

In this report, the global smart and connected offices market is broadly segmented into security & access control systems, smart lighting, smart HVAC control systems, audiovideo conferencing systems, energy management systems, fire & safety control and others. The smart HVAC control systems accounted for the largest market size of the global smart and connected offices market at an estimated value of \$XX billion in 2013, while the smart lighting market is estimated to grow at the highest CAGR of XX% from 2014 to 2020. Security and access control market is expected to witness more demand in the coming years to keep a check on fraudulent or un-identified entry in the office premises. This market will always provide opportunities for the smart office market



either in present year or in the coming years. The next opportunity for the smart office market can be from the segments like energy management systems and audio-video conferencing systems. Smart energy management systems will provide a check on better consumption of energy in smart offices when no employees are present within the office.

America (comprising the U.S., Canada, Mexico, and Brazil) accounted for the largest market share of XX%— of the global smart and connected offices market in 2013. In the U.S. there is tremendous future for smart office because for the demand of connectivity technology among all devices and also among the employees for better efficiency in work. In the Americas the smart office market can expect more growth from the smart lighting and security & access control systems.

As compared to the mature markets, Asia-Pacific is estimated to grow at the fastest rate in the next six years, with CAGR of XX%. The growth of the smart office market in the Asia-Pacific region is propelled by factors such as; emergence of smart and automated industry in this region. The smart office market is a diversified and competitive market with a large number of players. It is dominated by various players, depending on their core competencies. The key players in this market include Koninklijke Philips N.V. (The Netherlands), ABB Ltd. (Switzerland), Cisco Systems Inc. (U.S.), Siemens AG (Germany), Honeywell International, Inc. (U.S.), Johnson Controls Inc. (U.S.) and United Technologies Corporation (U.S.).



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