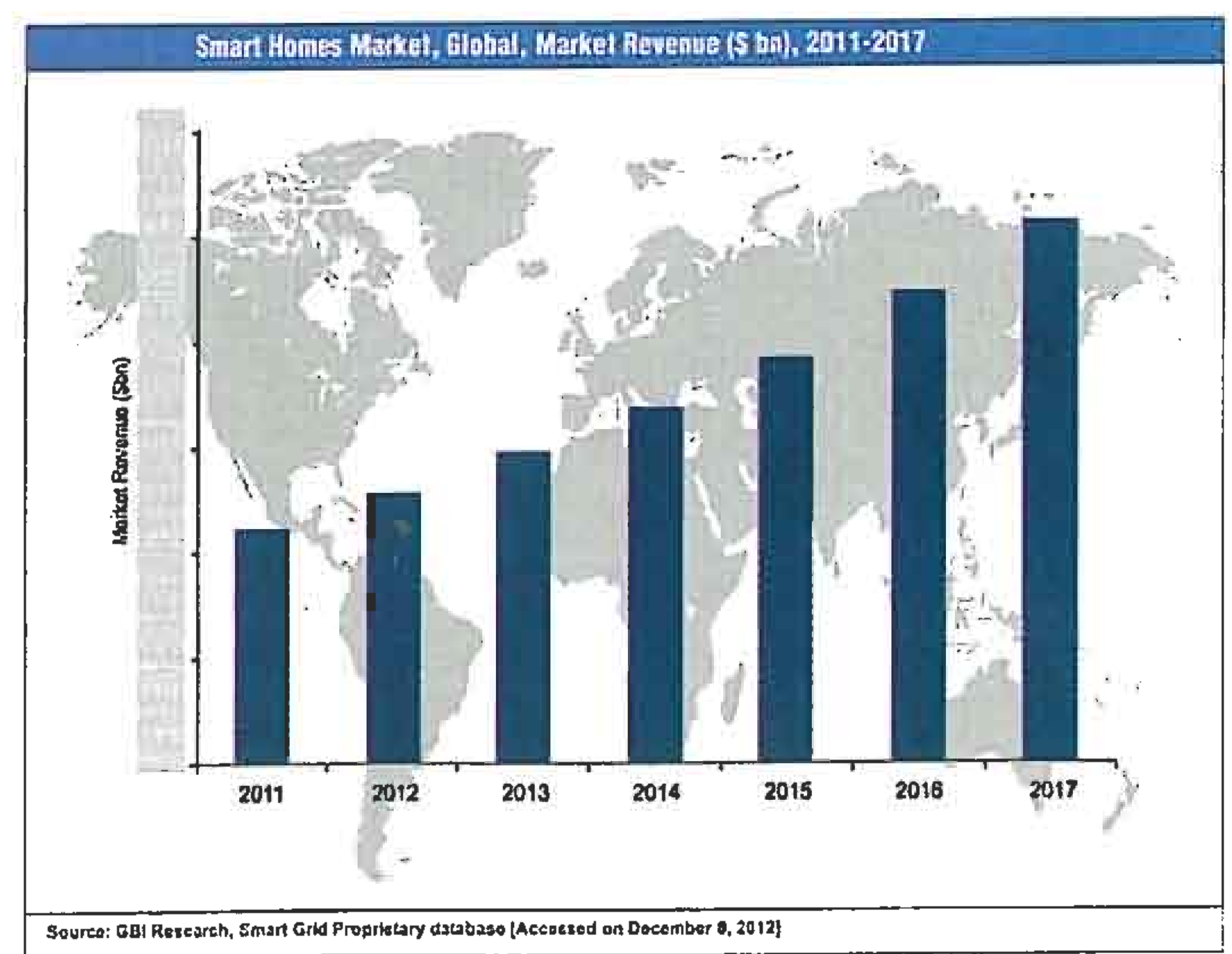
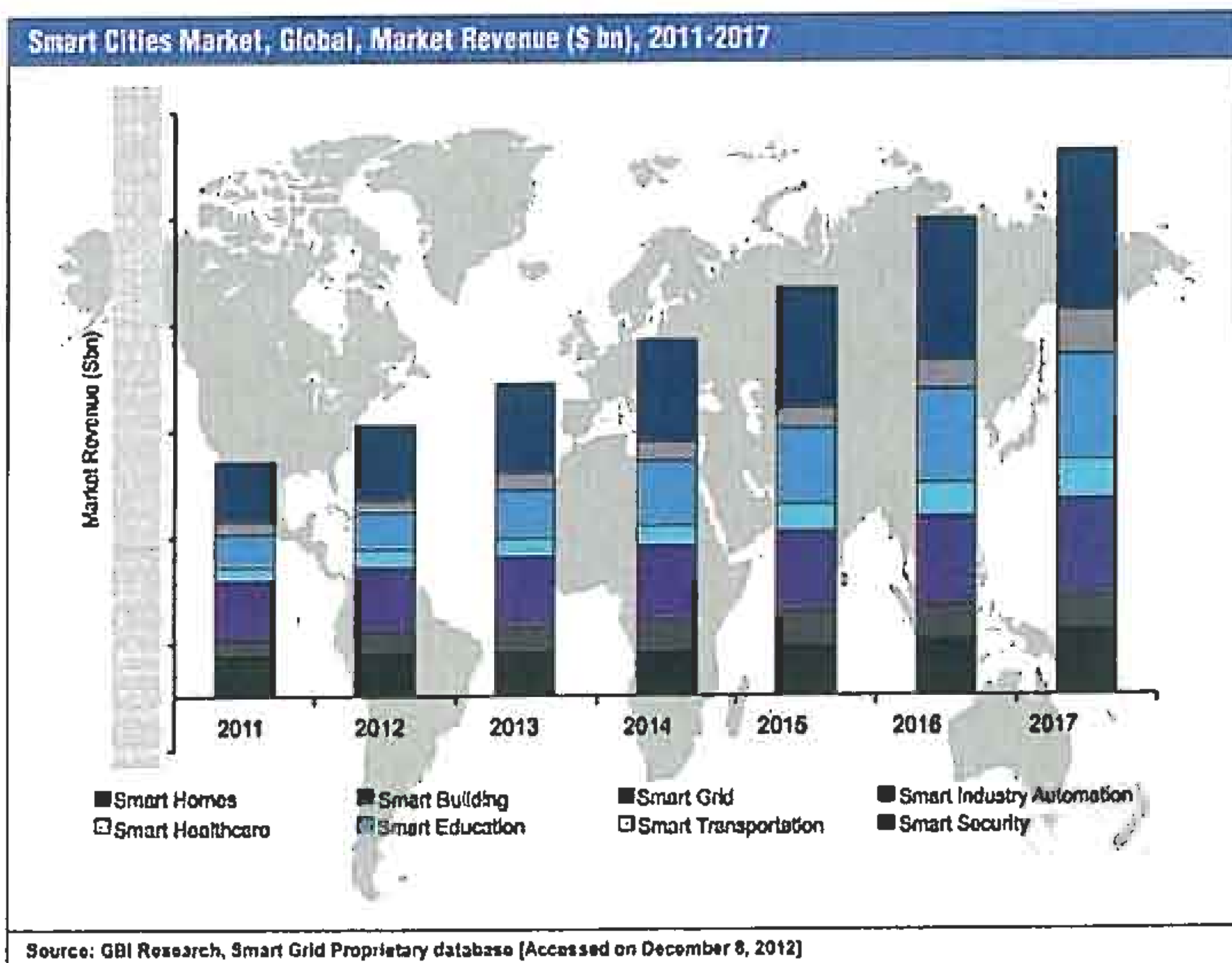
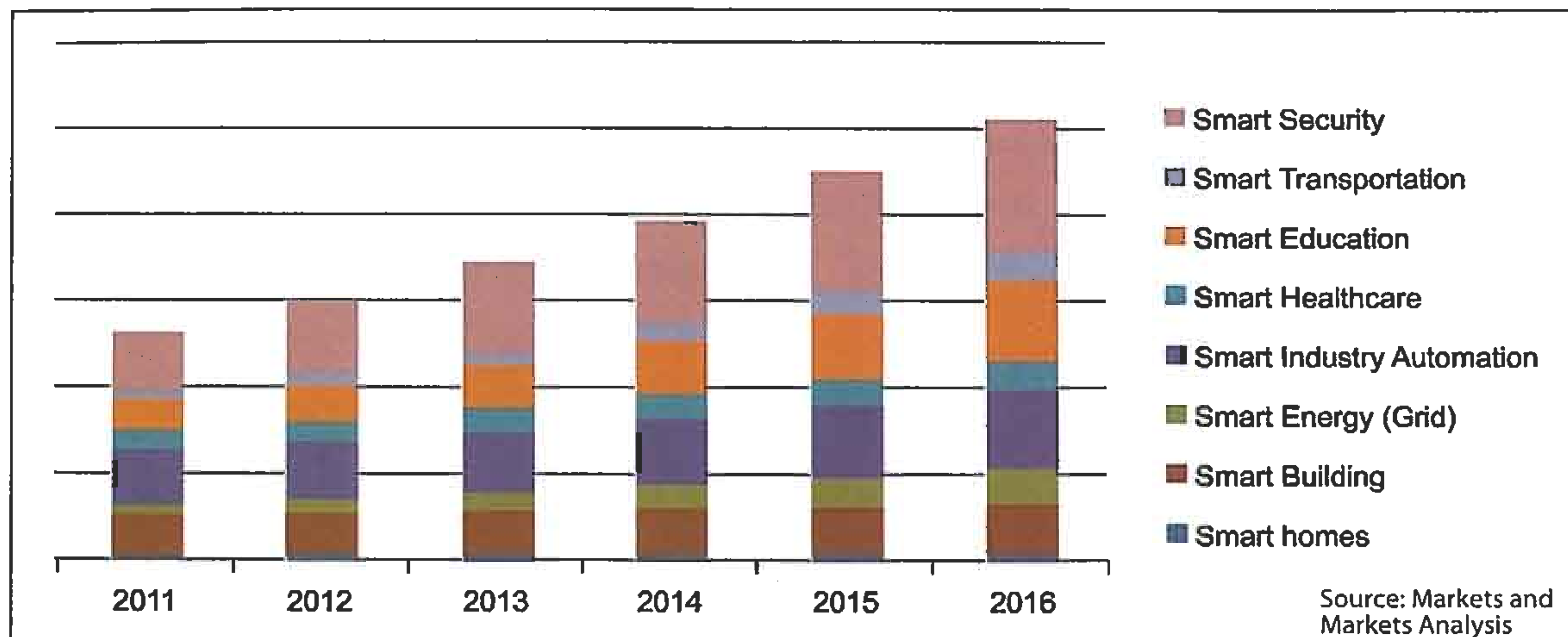


Smart City

India's plans to construct 70 'smart cities' offers sustainable real estate alternatives and a huge business opportunity for tech majors



Global Smart Cities Market (2012 – 2016)



of life are the future.”

Karuna Gopal, President, Foundation for Futuristic Cities, who also serves on the international jury of the ICF(Intelligent Community Forum- New York City) that selects intelligent cities in the world, is led to say, “The intent and the ambition of the government is laudable. It’s imperative considering how rickety our infrastructure is, how gridlocked our cities are, how inefficient our utilities have become and how dysfunctional our governance framework is proving to be.”

The Market

Ergo, with the urgency stemming from the attendant chaos – coupled with the need to build infrastructure – already a host of major technology giants – like IBM, CISCO and Siemens -



Smart cities are inevitable. They offer a sustainable and affordable ecosystem

- DR SUDHIR KRISHNA,
SECRETARY, UNION URBAN
DEVELOPMENT MINISTRY

not to mention start ups are battling for the market for smart cities in India. There are a handful of them currently. Some movement is already being seen, though on a smaller scale, at the Wave City project, at Ghaziabad, on the edge of the national capital, where a 4500 acre township with smart systems support from IBM is coming up. The township, with residential apartments, commercial complexes, shopping malls, small scale industries, schools and hospitals, and to be built in two phases, is being designed with amenities like clean water, energy, transportation, public safety, education and health care all of which will be integrated and managed by smart devices using sensors and other intelligent communications systems. Trills Sunil Tandon, President, Sales and Marketing, Wave City, “The smart systems and the road map provided by IBM will help to improve the quality of life for residents while keeping operating costs low and maintaining at delivering high levels of service.”

Elsewhere in Manesar, Haryana too an Eco City is being built with support from a Japanese consortium which includes Toshiba, NEC, Tokyo Gas and Japan’s Ministry of Economy, Trade and Industry (METI). Kerala’s Internet City and Sabeer Bhatia’s Nano City for Gujarat are also in the list of new sunrise cities that are expected to come up.

Admittedly the new cities present great opportunities for technology vendors like IBM, Cisco, ABB, Siemens, Alstom and Schneider to establish

a significant market presence in the country through large scale deployments. Cisco has been actively helping urban local bodies achieve their objectives by supporting and enabling initiatives like shared services, increasing e-government services and bringing local government closer to citizens. Using the network as an effective platform it is possible to build solutions that integrate different services in an intelligent fashion and create smart cities. Intelligent Urbanisation is about leveraging the advancement in communication technologies while developing the blueprint of the urban spaces across the world and to make them more livable

The smart cities market is primarily driven by the growth of smart energy, smart transportation and smart security among other sub-markets. While smart energy management market is expected to grow from \$22.9 billion in 2010 to reach \$80.7 billion in 2016, smart transportation and smart security market will grow to \$68.8 billion and \$307.2 billion during the same period.

While the efficacy – read as sustainability – of these smart city models remains yet to be tested, the concept aims to provide a set of new generation services and infrastructure with the help of information and



Smart cities are imperative considering our rickety infrastructure, gridlocked cities and inefficient utilities

- KARUNA GOPAL,
PRESIDENT, FOUNDATION FOR
FUTURISTIC CITIES