

## ***Smart Materials for Greener Environments in Smart Cities***

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Smart multifunctional materials will have a significant role in the future smart cities. Our world changes rapidly the last few decades and cities transforming into smart cities with cleaner environment, greener living spaces, large networks of smart devices and autonomous mobility. Opportunities to solve this challenge have recently emerged through the development of increasingly “smart materials” that can sense, process, respond to environmental stimuli, improve air – health – water quality, and store or save energy. The total value of the global smart city market is expected to exceed US\$2.5 trillion in the next five years, and the market share for the smart materials is around US\$400 billion