**Forum on Internet of Things: Empowering the New Urban Agenda  
Geneva, Switzerland**

**19 October 2015**

**Abstract by:   
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**Intelligent Buildings and Big Data: Opportunities and Challenges**

Currently, commercial buildings account for approximately 20% of energy consumption. The combination of use of Big Data and IoT to optimize building performance  and the use of upgraded energy systems and technologies have the potential to reduce that consumption significantly with a corresponding positive impact on the environment and reduction in GHG. Challenges remain however to ensure that and integrated and smart building is built and operated according to open standards and platforms to ensure interoperability and that cyber security is also foremost in planning and implementation.