

Smart Cities & large scale projects

Smart Cities: Challenges & Creative Solutions to a more sustainable approach in designing large scale neighborhood or community projects

Expert Name: Walid Bakhos

Urban Planner, PhD

IBI Group

Definition/Benefits	Constraints/Challenges/Barriers
<ul style="list-style-type: none">- Effective integration of physical, digital and human systems in the built environment to deliver a sustainable, prosperous and inclusive future for its citizens. SOURCE: PAS 180:2014, 3.1.62- Clean city- Time travel / Mobility- Green spaces- Self-sufficient- Infra- Availability / choice- Information- Affordability- Quality of life- How smart are smart cities?- Paradigm shift: from individual process to the city as a wolf	<ul style="list-style-type: none">- Buzzword- Danger to Democracy (surveillance, control)- Works better in developed countries- Requires infrastructure (strong Wi-Fi connection)- Resistance to change- Exclusion- Privacy concern- Institution to support change- Lack of awareness- Cost of retrofit- Coordination- Legislative framework
Best Practice/Solutions/Tools	Resources/Local Availability

<ul style="list-style-type: none">- Songdo - South Korea- Masdar City - UAE- 100 Smart Cities initiative - India (Bhubaneswar)- Participation Approaches to Planning / Geodesign- Intelligence Transportation Systems / Urban Metabolism	<ul style="list-style-type: none">- Beirut Digital District in Bachoura- Beirut participated to the Smart City Expo 2015- CES-MED – SEAP- Travelling lebanese civil society
---	--