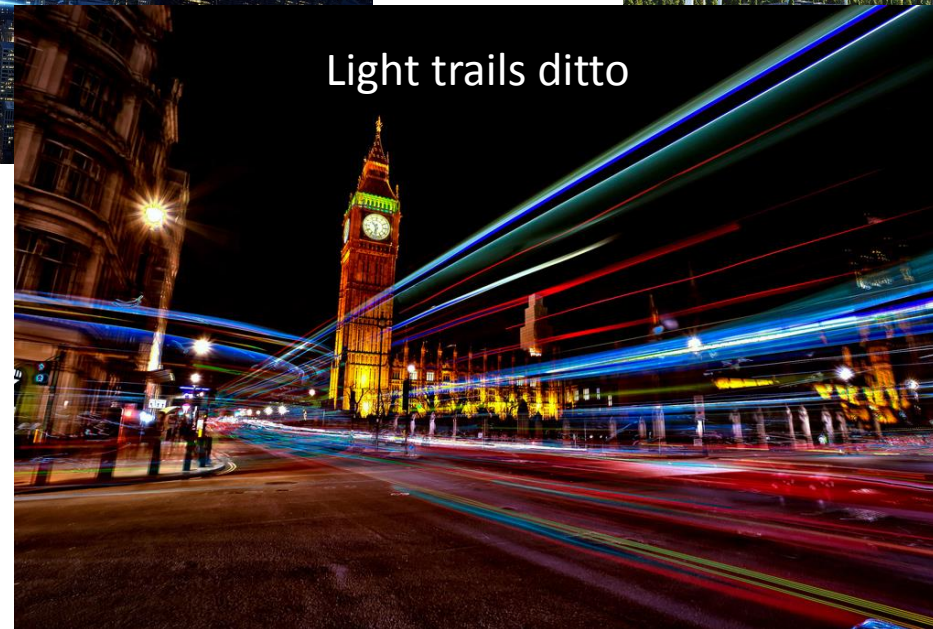


Romsey: Thinking about tomorrows problems and opportunities, today



Image search future cities and this is what you get

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And always deserted...

Future places redefined

- “Places can be thought of as sophisticated machines that support large populations living in close proximity. As a places population grows, the need for systems to move people and goods, deliver power and water and remove waste, together with institutions to support civic life become critical to its well-being”
- There are a set of global trends that will have an impact on the UK
 - Some of these are challenges that we will need to be face
 - Some of these are opportunities that we will need to grasp
- The goal is timeless,
 - Prosperity
 - Sustainability
 - Liveability
- But the context is changing fast....

Global challenges – local consequences

- Population; growth, urbanization and profile changes
- Energy; generation consumption and climate change
- Mobility; transport and travel
- Waste; reduction and disposal
- Employment; changing needs and skills
- Shopping; the march of online and mobile



Responses and the technologies that might help

- Energy
 - Building automation – Third generation solar PV – District energy generation and storage
- Ageing population
 - Loneliness, isolation are the biggest killers. Places that are accessible, walkable, sociable. Tech that keeps people in touch. Telecare and telehealth
- Transport
 - Tech that diminishes the need for vehicles -Shared vehicles and transport on demand, connected autonomous vehicles
- Retail
 - Drones – what 3 words, the limits of online
- Work
 - Artificial intelligence – destroys jobs but creates work....
- Tourism
 - Virtual and augmented reality



Designing for tomorrow



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Designing for tomorrow 2



Conclusions

- Don't just want what we know
- We need to know what we want
- Technologies exist to help....
- ...but we need to be aware of them
- Design our places to embrace them
- Put the tools in the hands of the people

