



Smart to Cognitive Cities – A Work in Progress

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What is the Difference Between a Smart City and a Cognitive City?

“Cognitive city is a term which expands the concept of the smart city with the aspect of cognition or refers to a virtual environment where goal-driven communities gather to share knowledge. A physical cognitive city differs from conventional cities and smart cities in the fact that it is steadily learning through constant interaction with its citizens through advanced information and communications technologies”

Shark's Smart City 9 Factors.....

1. Smart Transportation
2. Smarter Digital Infrastructure (Digitalization)
3. Citizen Engagement & Digital Citizen Services
4. Smart & Big Data
5. Data Visualization
6. Public Safety
7. Healthcare Services
8. Leadership & Vision
9. **Citizen Pride and Satisfaction**

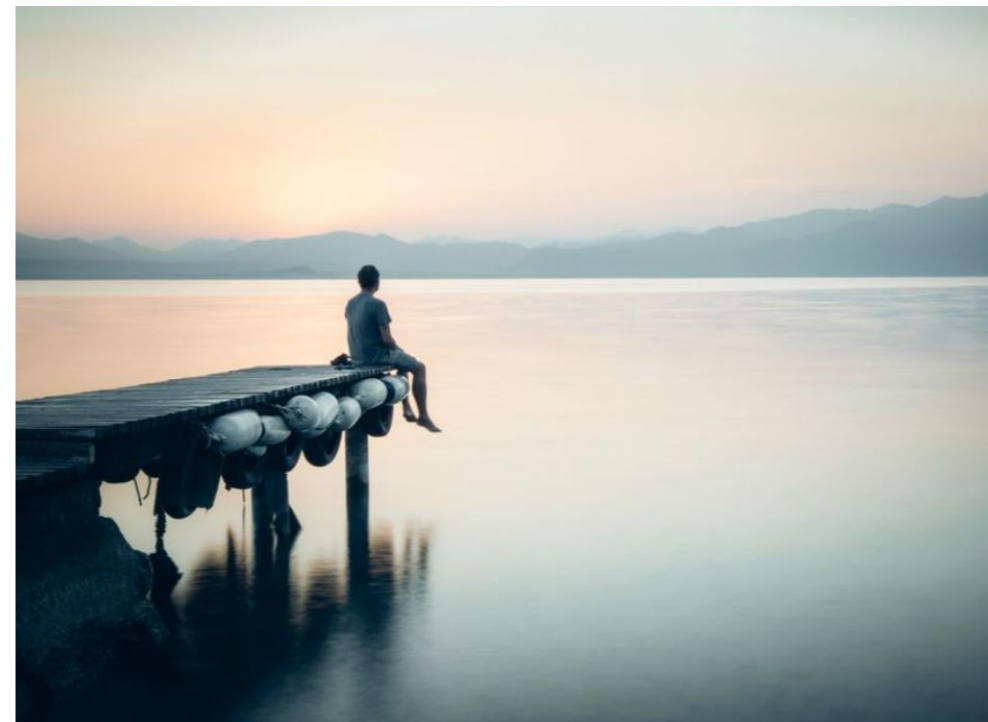


Where Are We Now?????

- Sensors everywhere
- Facial recognition
- Autonomous transportation
- App-centric focus
- Social media isolation
- Lack (true) local news focus
- How do we co-exist with machines and AI?
- Condensed communications (emojis, Tweets, photos)
- Increased dialog with Siri and Alexa, etc. (and we never say please!)
- Virtual and Augmented reality
- Gamification
- Other?



Despite Technology – We Are More Alienated Than Ever



Current Pathways Through Technology.....

- Emojis to express emotion
- Text to connect through short messages
- Video chat
- Blogs
- Other forms of (meaningful) engagement
- Create human interaction forums



How Do We Get to Cognitive?

- ✓ How can we truly get citizens involved?
- ✓ How do we get people better connected?
- ✓ How can technology help?
- ✓ How can we learn from each other in a world of great distrust and fake information.
- ✓ How do we know what success looks like?





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