



Romanian Fiber-Optic Conference

Smart Connexions for Smart Cities

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- Smart City
 - What does it actually mean?
 - What do we understand?

- Impact on infrastructure
 - Regulation
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 - Ownership

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Smart Connexions for Smart Cities

Smart City, what does it mean?

Definition of an object: bright and fresh appearance
Definition of a place: fashionable and upmarket
(Source: Google)

The old days



Today



Smart Connexions for Smart Cities

Smart City, what does it mean?

Does a Smart City mean and/or include for instance:

- Zero emission and zero waste
- Smart energy management
- Green city with lots of parks
- eServices (government, health)
- Public transport network
- Healthy, crime free society
- High living standard
- Urban area, suburb, villages

Description per FTTH Council Europe:

A Smart City will increase efficiency, productivity, ecological awareness; it will reduce pollution and improve quality of life in a world of increasing urban complexity. (Source: FTTH Smart Guide, Ed. 3)

A common understanding is crucial in our fast moving world

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Impact on infrastructure - Regulation

- The only global project humans ever achieved is our "old" voice / telephone infrastructure which connected continents with no downtime.
- Despite having standardization bodies such as ISO/IEC, we still have continental, national, regional or even local laws and regulations.



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Impact on infrastructure - Organization

- Most cities have a form of organization in which the relevant sectors such as energy, transport, communication, transport and the environment are organized in separate departments.



Source: <https://international.stockholm.se/governance/organisation/>

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Impact on infrastructure - Ownership

- Who should own communication infrastructure and therefore be responsible for plan, build and maintain same in a Smart City?
 - Fixnet – Utility company or ILEC/CLEC (FTTH cooperation)
 - Mobile – ILEC/CLEC or utility company (rent a fiber)
 - Others – private companies or city departments
- How we gone ensure cooperation between other “infrastructure shareholders” such as energy and traffic control?

A new way of collaboration is required

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Conclusion

Smart Cities are without doubt the cities of tomorrow, but before we can discuss deployment techniques we need to have

- A common understanding
- Willingness for new collaborations

- ...and what can we as R&M contribute to the topic?

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R&M Contribution – Connectivity that matters

We, a Swiss based, family owned company with 50+ years experience, a global footprint and local presence (since 12 years in Romania) stand for:

- High quality products with a maximum on availability and reliability
- Industry experts with the aim of building a smart network with you





Thank you for your attention