

# Swiss Italian Venture Camp 2013

“Platinum / A++” ICT **SMART** & **GREEN** platform

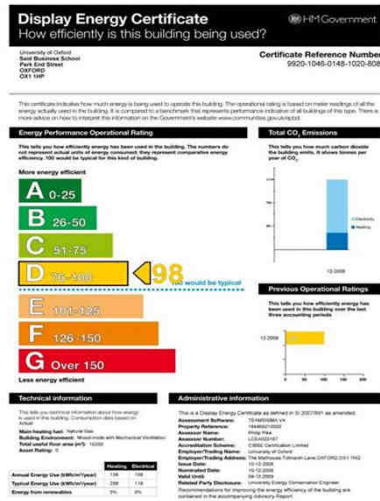
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## Adoption of

Integrated control of :

- Energy
- Aeration
- Heating
- Lighting
- Service distribution



## Contribute to

- Low consumption of energy
- High standard of comfort



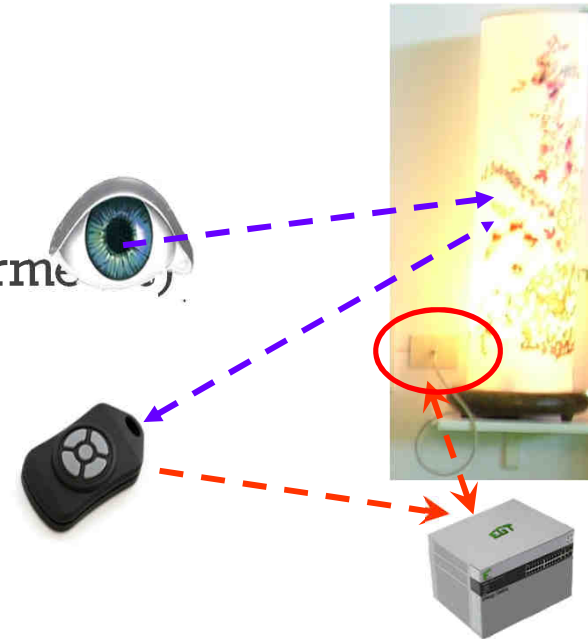
Reduction of :

- Passive emissions
- Noise
- Electromagnetic- pollution

- Cities without pollution and useless energy consumption
- People can live a healthy life in harmony with the seasons and with the surrounding environment

## Easy

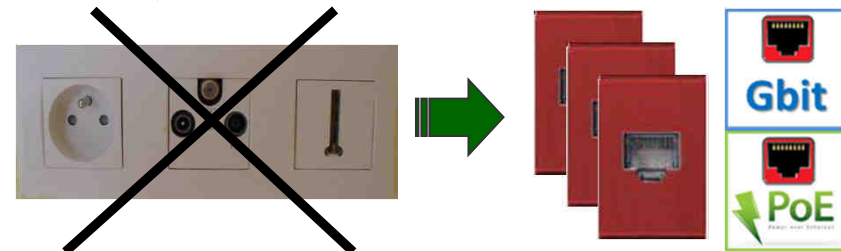
(\*Intuitive “tip & operates” multipurpose person-environment ” Design for all” (suitable for any person, even with impairment) interaction mode.



(\* Single one user Plug&Play managed plug (RJ45) and wiring's type (Cat. 5e)

to distribute (per plug) :

- power (100/150 W @ 48Vdc)
- VPN(s) safe data (1 Gb/s)



**\* EU Patent granted – PRC & USA pending**

## Green

Battery-less & Wire-less multifunctional sensors' network (TAGs) based on energy harvesting technology



Intrinsic zero power consumption Plug&Play real-Time sub-metering, monitoring & control sensor's

Green Building Council rating system "LEED"  
best achievement : managed DC  
infrastructure with unmatched energy efficiency



Adaptive & dynamic lighting & conditioning management

PoE as well as AC appliances power demand pervasive control

Better comfort while reducing energy demand

## Technology

Plug & Play, scalable & fault resilient DC infrastructure for energy consumption sub metering & control, adaptive lighting (including emergency), security, intrusion detection, multimedia, TV, telephony distribution, building automation, ...



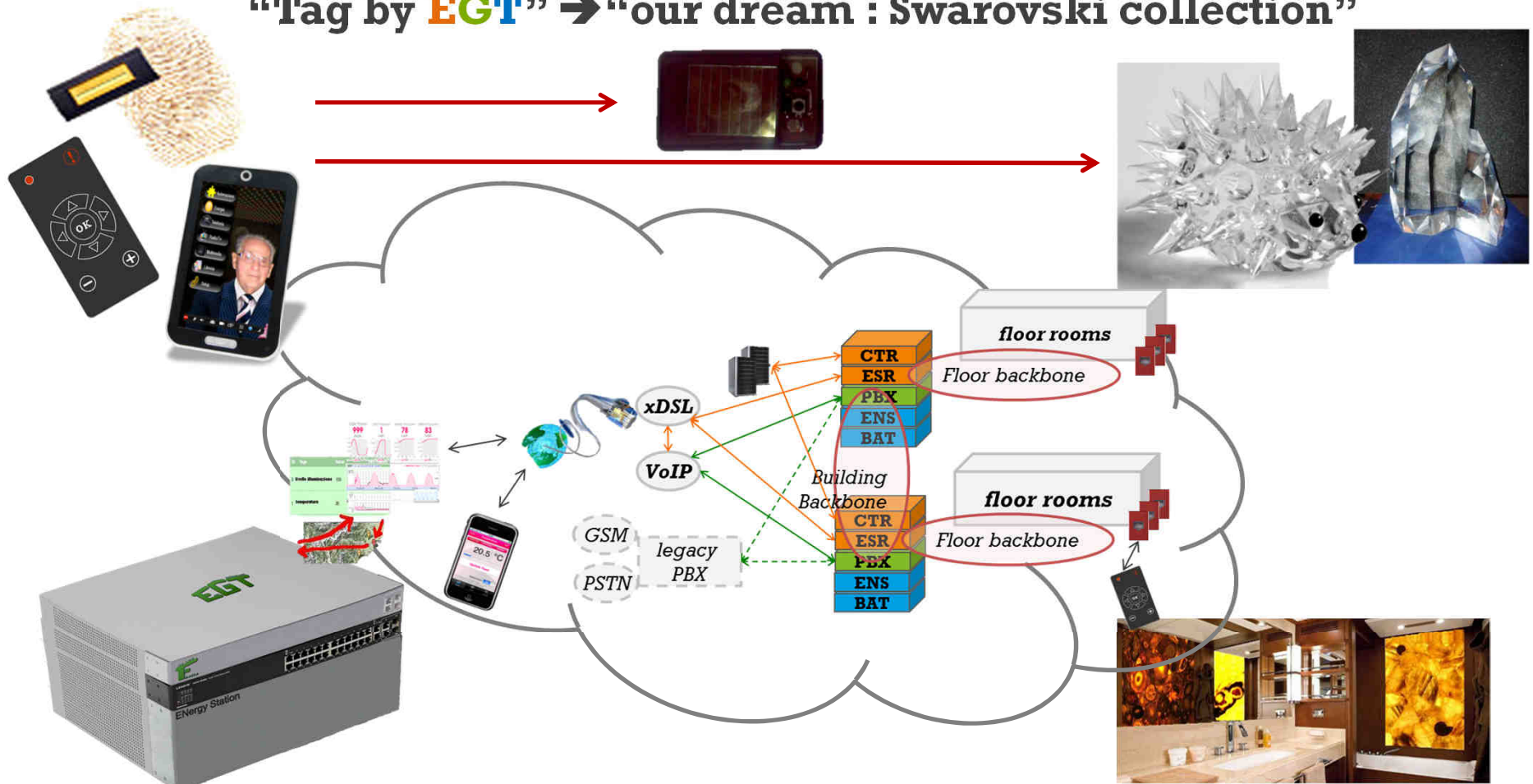
Soft & adaptive Devices ↔ Contexts' binding



Optimum for alternative / DC energy sources : ready for PV direct plug

Black-out prevention as Building Integrated Smart Grids element in Digital Energy Networks [DEN]

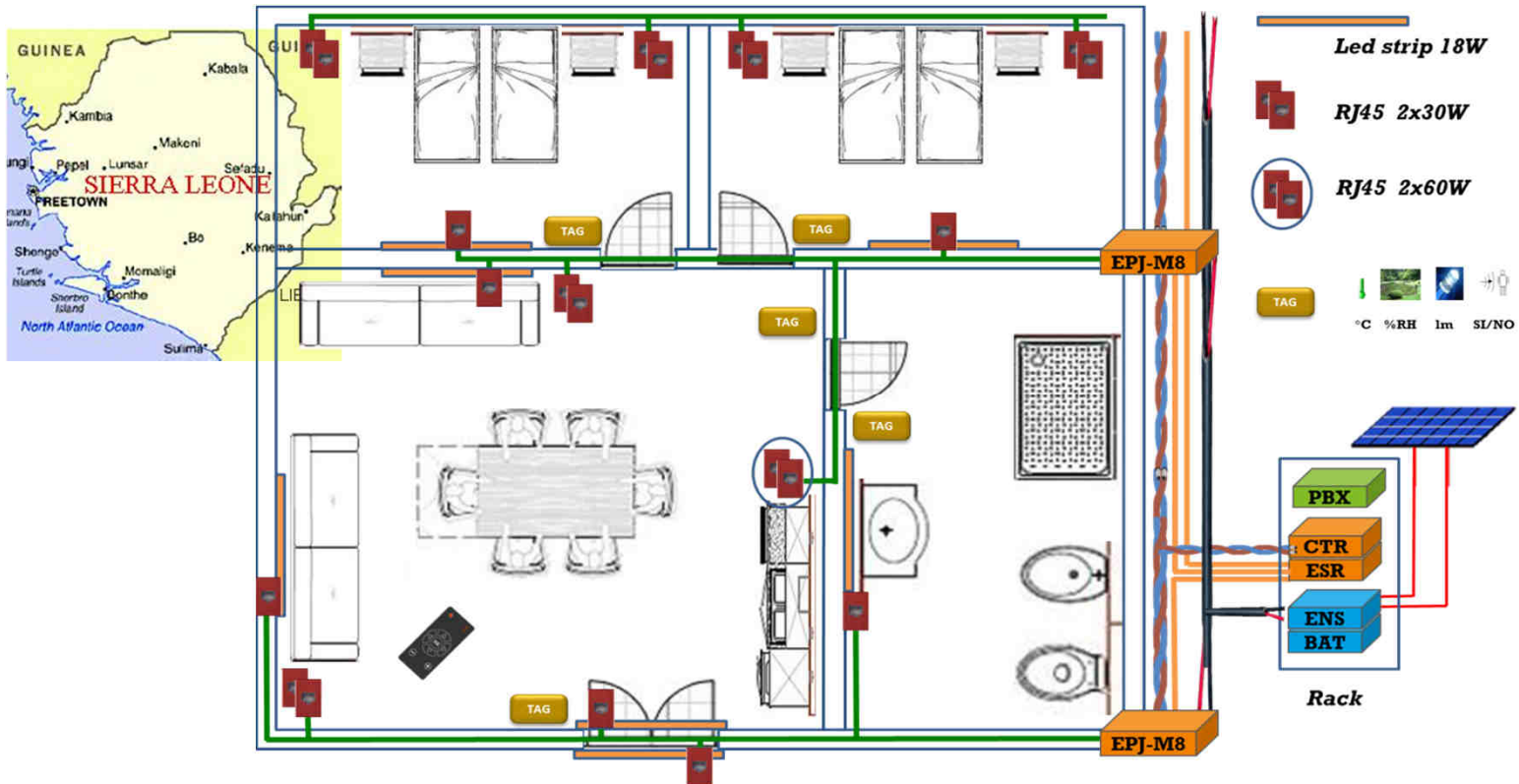
“Tag by **EGT**” → “our dream : Swarovski collection”



“Facile by **EGT**”

“Teraluce by **EGT**”

## Photovoltaic + PoE Lighting infrastructure for a village of fifty apartments located in Sierra Leone



### Solar, DC PoE for LED lighting & power distribution

# Next steps ...

Looking forward to show You

**“Facile by EGT”** portable system  
and our dream

**“Tag by EGT”** precious stones



*Thank you for your attention*