

"A smart sustainable city is an innovative city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social and environmental aspects."

Is the massively increased EMF exposure **safe**?  
 Who **controls the data** collected and analyzed?  
 Who **profits and who loses** with smart tech?  
 How will dosage **exposures** be **monitored**?  
 How will tech **compliance** be **regulated**?  
 Will there be **safe zones** for sick and vulnerable?

Very little is discussed online about the safety of smart city build-outs in our fragile biosphere. EMF exposures are based upon ICNIRP standards, not The Precautionary Principle. This map offers links to articles and documents on the stated vision for smart cities and articles with questions about it. Viewers may want to follow developments as they occur.

[GOOGLE WANTS TO RUN CITIES WITHOUT BEING ELECTED](#)

[UTILITIES, GOVERNMENTS ARE PUSHING FOR SMART CITIES](#)

[EMF CONSIDERATIONS IN SMART CITIES](#)

Suggested problems

- Physiologic bio-effects of EMF
- Environmental effects of EMF
- Accumulated effects over time
- EMF effects plus toxic burdens
- Resources required in production
- Resources required in shipping
- Resources required is disposal
- Issues of data privacy
- Issues of date integrity
- Issues of data access
- No safe or avoidance zones
- No control areas for research
- Fires, explosions
- Increased cost of goods, services

BIG DATA ANALYTICS

DATA-DRIVEN PLANNING

PUBLIC-PRIVATE PARTNERSHIPS

Smart City development agencies, organizations

- [IGLUS](#) -- University based global research agency
- [ICF](#) -- NY-based Intelligent Community Forum
- [NSF](#) -- National Science Foundation
- [IFTF](#) -- Institute for the Future
- [WSC](#) -- World Smart City Forum

Terminology

- [CPS](#) -- Cyberphysical Systems
- [DDoS](#) -- Distributed denial of service
- [EMC](#) -- Electromagnetic compatibility
- [ICT](#) -- Information and Communication Technology
- [IoT](#) -- Internet of Things

[A PLANET OF CIVIC LABORATORIES](#)

[SMART HOME DEVICES VULNERABLE](#)

[WIRELESS "OUT OF CONTROL"](#)

[Water ATM](#)

[IoT Sensors](#)

★ [Smart glass](#)

[Array of Things](#)

[Uber for Trucks](#)

[Street Light Grid](#)

[Smart Lamppost](#)

[Smart Toll Collection](#)

["Sentry" parking meters](#)

[Smart buildings, energy](#)

[LiFi. smart building light](#)

[Closed Loop Healthcare](#)

[iBuzzHive, monitor bees](#)

[Water intake monitor cup](#)

[Indoor air quality monitors](#)

[Smart pedestrian crossing](#)

[Integrated Waste Tracking](#)

[Earthquake ShakeAlert app](#)

★ [Sidewalk Toronto, Google](#)

[Smart and Connected Health](#)

[Patient self check-in, tracking](#)

[Sensors in cars, monitor drivers](#)

[Sensibo A/C for occupied rooms](#)

[Track cellphones to surveil traffic](#)

[Long range vehicle RFID tags, US](#)

★ [SCALE: Safe Community Alert](#)

[RoadX to connect cars, roads, drivers](#)

Programs and Technologies



Smart Car



Smart Home Panel



Santander, Spain 20,000 sensors



Hong Kong Cyberport buildings

**SMART CITIES**  
 THE INTERNET OF THINGS  
 AND  
 EMF

Visions

[Libelium](#)

[Brookings Inst. Vision](#)

[FCC and Telecom vs cities](#)

[SmartSantander monitoring](#)

[AirGig "connecting everyone"](#)

[AI CitizenTracking, Hangzhou](#)

[West Hollywood as smart city?](#)



Smart Thermostat

Money

[AT&T projects](#)

[Smart America](#)

[DOT SC Grants](#)

[Who pays for the SC?](#)

[Federal "Smart Cities" Initiative](#)

"leverage the city assets so everybody wins"

Articles

[Big Data PPT](#)

[Internet of Everything](#)

[IoT is destroying Internet](#)

[Save the Internet from IoT](#)

[A "Crowdsourced" Smart City](#)

[A Planet of Civic Laboratories](#)

[Is My Toaster a Security Risk?](#)

[IoT, hacks, real-world disasters](#)

[IoT Gateway Shipments by 2021](#)

[Newport, Kentucky, first in midwest](#)

★ [Key to landing smart city contract](#)

★ [Spying streetlamps, police, arrests](#)

Studies

★ [SmartSantander case](#)

[Measuring EF in a smart city](#)

EMF

[EM compatibility](#)

[TR, EMF considerations](#)

[ISO document, little EMF monitoring](#)

Other Links

[IoT Hits and Misses](#)

[Twitter: SmartCCouncil](#)

[Radiation and Real Estate](#)

★ [Dangers in Smart Cities](#)

[Smart cities wrong in theory](#)

[EPIC: Privacy concerns testimony](#)

Exposure guidelines will be based on [ICNIRP](#).

★ [SURVEILLANCE CAPITALISM OF SMART CITIES](#)

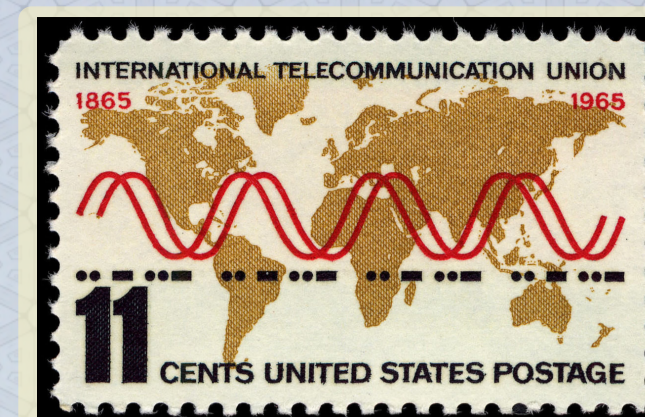
RELATED MAPS:

- [EMF AND TOXINS](#)
- [AUTOMOBILES](#)
- [CELL TOWERS](#)
- [5G DIFFERENCE](#)
- [LIVING SYSTEMS](#)
- [WIRELESS COMMONS](#)
- [LIFETIME EXPOSURES](#)

[SMART CITY CHALLENGE: US DOT](#)

SC Development Areas

- Transportation, flows
- Environ. monitoring
- Energy use, distribution
- Water management
- Waste management
- Crime prevention, alerts
- Health care delivery
- more....



International Telecommunications Union: Committed to connecting the world

[BIOINITIATIVE CHARTS: BIOEFFECTS STUDIES AND ICNRP GUIDELINES](#)

★ [BRAVE NEW SMART GRID](#)

★ [WHEN EVERYTHING IS SMART](#)

★ [SMART BUILDING, L.A.](#)

[DARK SIDE OF 5G, IoT](#)

[SENSORS EVERYWHERE](#)

[UTOPIAN FANTASIES?](#)

"The **unintended social consequences** of smart city projects are a real concern, and a technological imbalance is at the heart of it. Smart cities are clearly **not intended for the homeless**, but homeless people are a reality..." [Tyler Edell](#)

"[SmartLINK's vision for Newport](#) includes a number of **smartLINK nodes** — **nine-foot, steel-framed and carbon-constructed structures** — will be installed throughout the city. These nodes feature **WiFi connectivity; USB fast-charging outlets; an interactive tablet for Internet access; emergency calling capabilities; atmospheric sensors; data-analytic devices; and two, 55-inch outdoor displays for way-finding and advertising purposes.** The some nodes also will provide electric-vehicle charging stations."

"The real benefit of smart cities is not the individual solutions, but the **government-led creation** of a holistic system where all solutions work together." [Monitor Deloitte](#)

"Smart cities are at the core of what [Leidos](#) can offer through our expertise in **engineering, national security, and health.**"

[CIA "SURVEILLANCE CITIES"](#)

[BIG TECH BOONDOGGLE](#)

[GETTING REAL](#)

Home: [Oscillatorium](#)  
 Newest version [this map](#)  
 Date of this update: 09-30-19