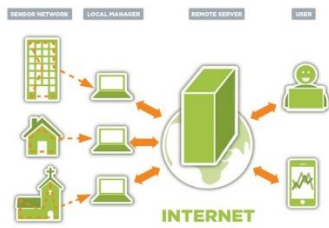


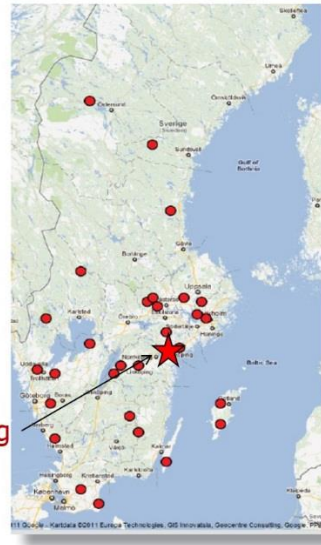
Smart City with Internet of Things

- **A research project at LiU Norrköping between 2012-2015**
- **Financed by Norrköping Fond and Swedish Energy Agency**
- **Results so far:**
 - (1) Truly functional Internet of Things (IOT) technology with real deployments for wireless monitoring, metering, control and alarm



- Cloud server location: Norrköping
- Real deployments:
 - Hospitals
 - Churches
 - Museums
 - Shopping malls
 - Kolmården zoo park
 - Service companies
- Partners in:
 - Sweden, Germany, Austria, Italy.....

Norrköping



- (2) Own-developed IOT hardware with firmware, which are offered by the spin-off company Wiotech AB (www.wiotech.se)

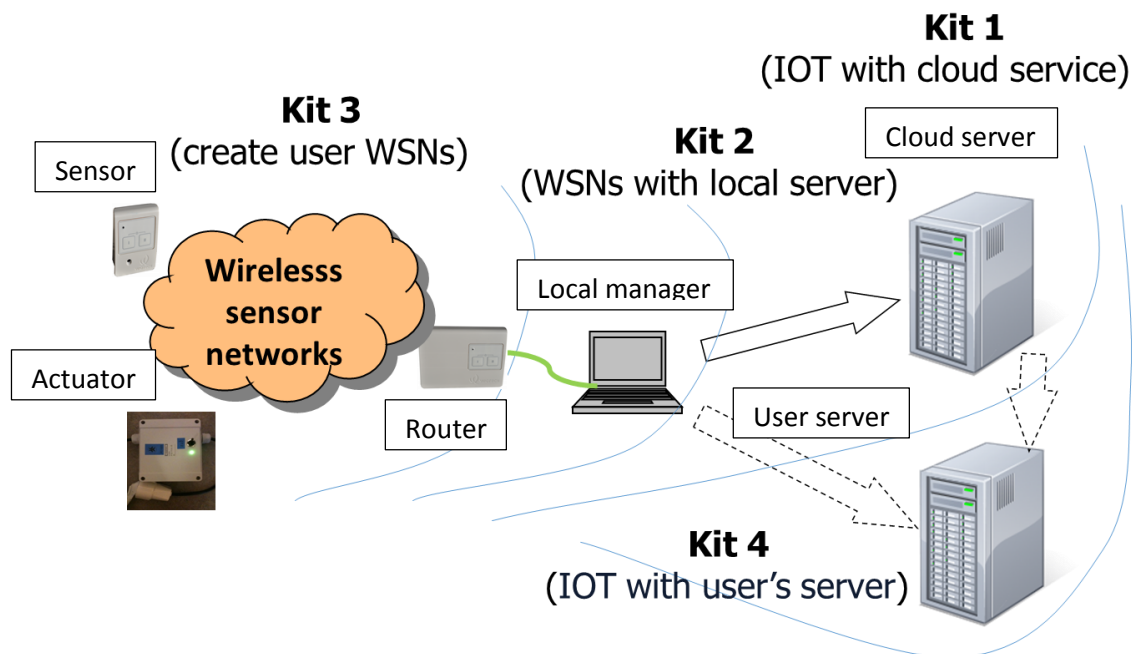


- (3) Own-developed IOT cloud service (www.smartstad.itn.liu.se), which can be accessed with Smartphones, Tablets and PCs

(4) Unique technology as compared to other wireless solutions, see the table below (Y=Yes, X=No)

	Peer-peer/ Piconet	Cluster- tree	Infra- structure	Mesh network	Low energy
Bluetooth Low Energy	Y	X	X	X	Y
WiFi	Y	X	Y	X	X
ZigBee	Y	Y	X	Y	Y
Our IOT solution	Y	Y	Y	Y	Y

(5) Flexible and open platform to third-party users, with API (application program interface) specifications available upon request



(6) Contact for receiving API specifications and other information

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