

secure architecture of city lightning systems

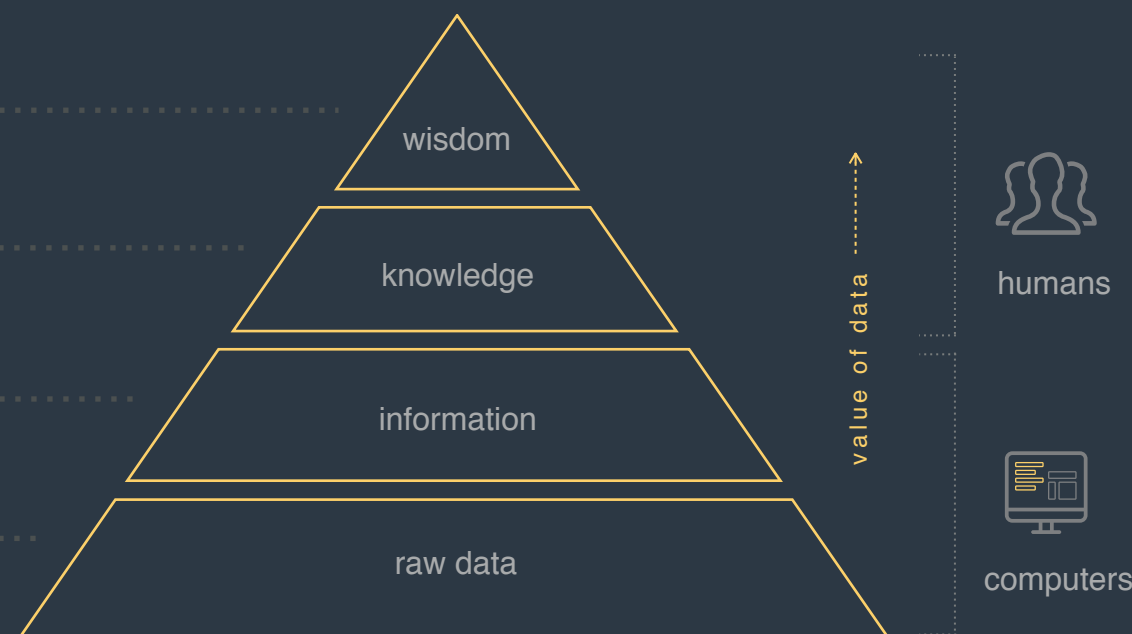


driving through a red light is illegal, dangerous, and potentially lethal. so i had better stop my car at this red light.

i'm driving towards the traffic light that has just turned red. rules says that i must stop my car when traffic light is red.

traffic light turned to red
on 19 november 2018, 10:22:38 MEZ
on the corner of Argentinier- & Gusshausstraße

red
10223819112018
48.197319 16.371768



its all about data

The IoT is a network of physical objects that contain embedded technology to communicate and sense or interact with their internal states or the external environment. The sensing is done by sensors of various types - whether these are motion sensors in the ceiling of an office space, noise level sensors on a city street, or sensors that can detect physiological states and changes in an individual.

The communication is handled by standard wired or wireless communications methods embedded in connected physical devices. Connected physical devices range from thermostats to energy meters to tractors to wearables for monitoring personal fitness and vital signs. Any digital device that can collect or share meaningful data about itself, its usage, and its environment is a candidate for participation in the IoT. Security experts have identified and addressed dozens of risks in the connected lighting ecosystem, taking the attitude that "it pays to be paranoid." Because connected lighting systems are complex platforms with still a simple based technology - there are many ways to attack them.