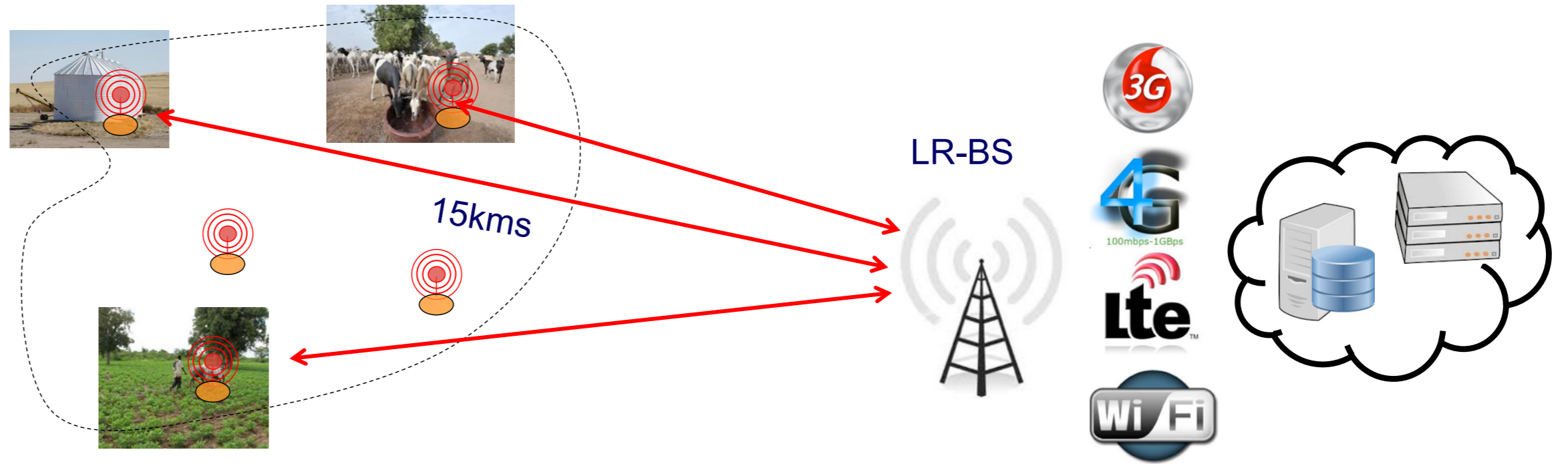
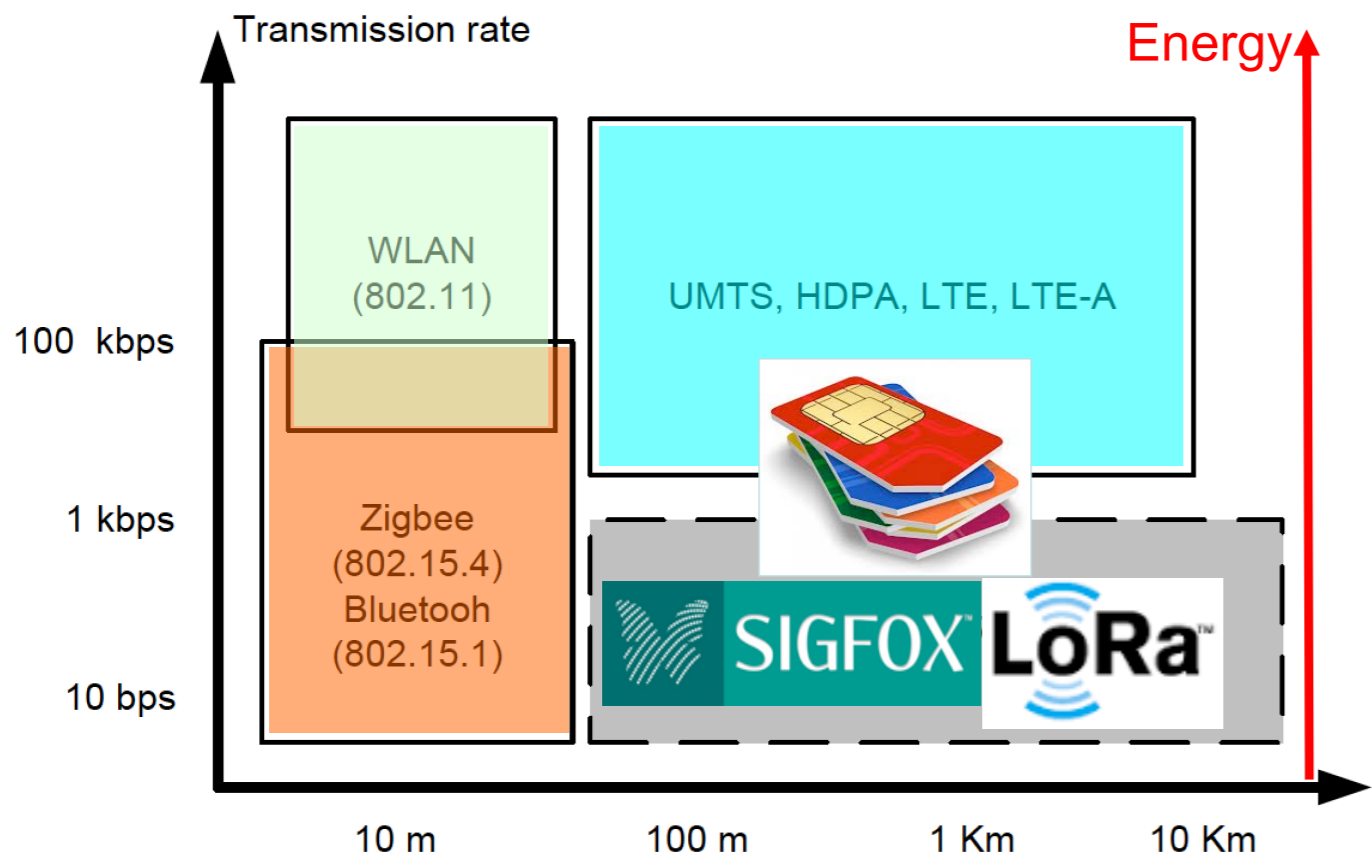


LOW-COST, LONG-RANGE SENSING AND IOT FOR RURAL APPLICATIONS



Poster design: Prof. Congduc Pham - url: <http://cpham.perso.univ-pau.fr/>

Low-power, Long-range radio technologies fill the market uncovered by both traditional WLAN/WPAN and cellular telecom industries



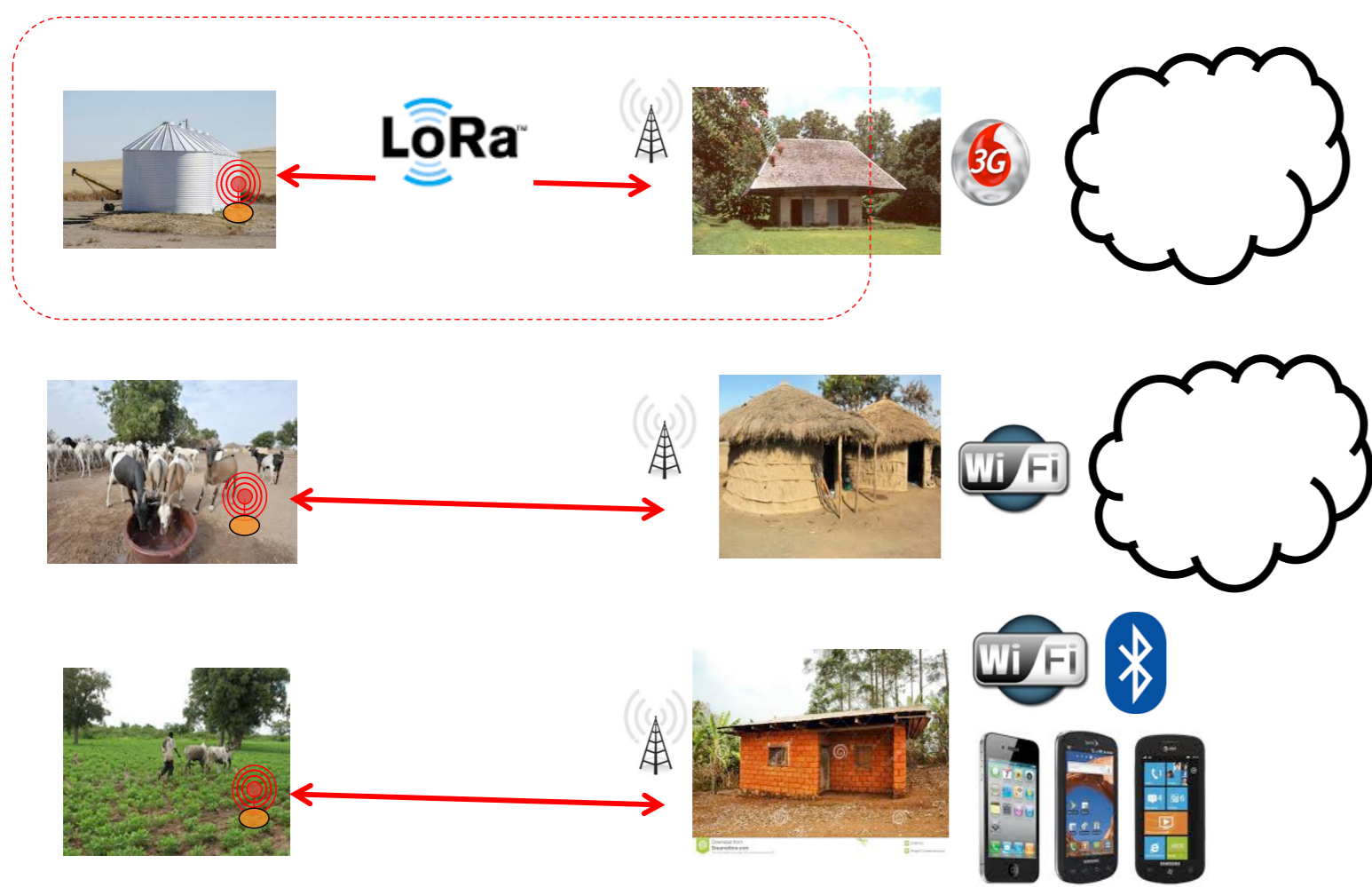
Deployment of large-scale sensing systems can be realized at an unprecedented level of flexibility and at very low cost due to the gateway-centric architecture: **no more impossible-to-manage multi-hop networks!**



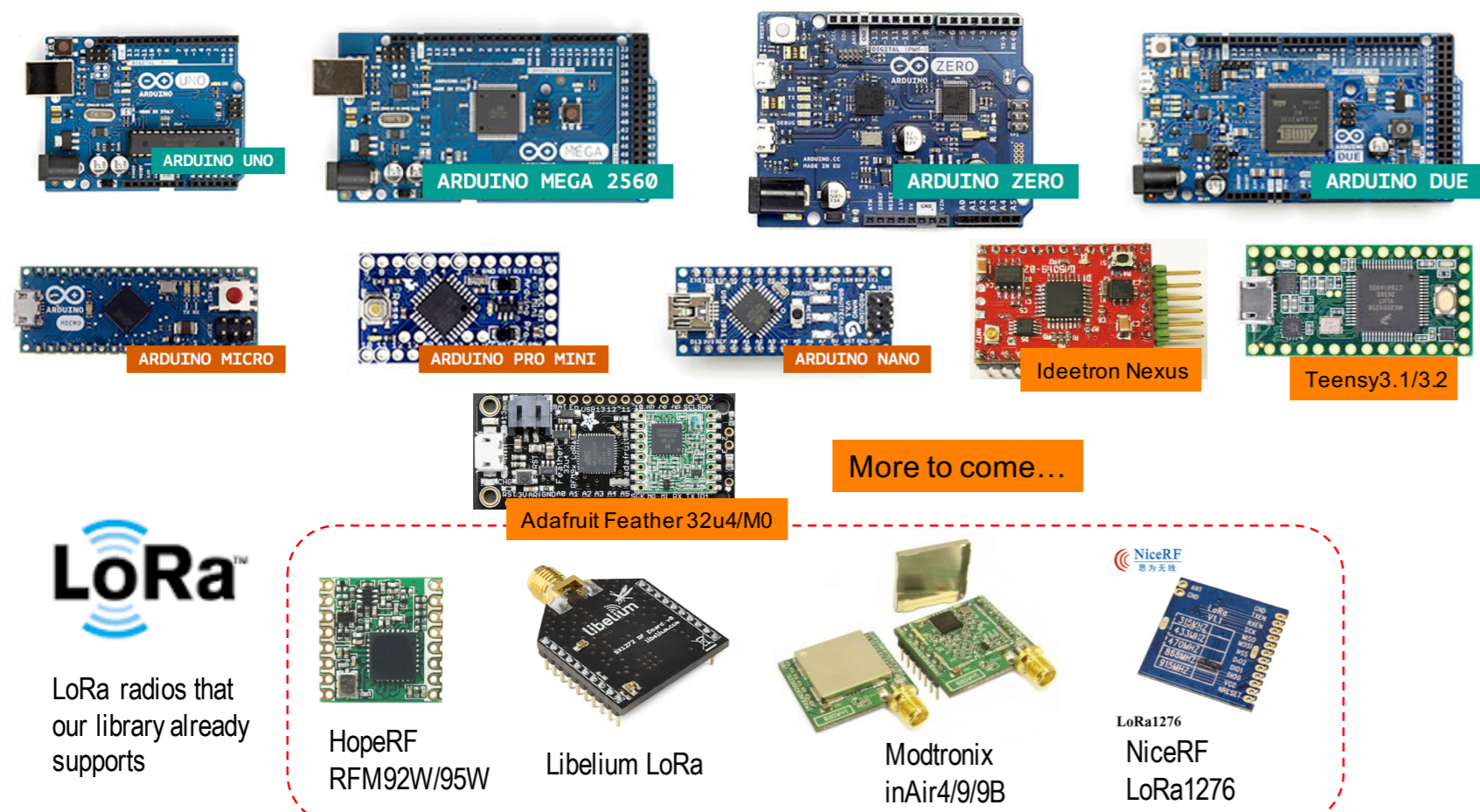
DISRUPTIVE INTERNET OF THINGS APPLICATIONS IN AFRICA



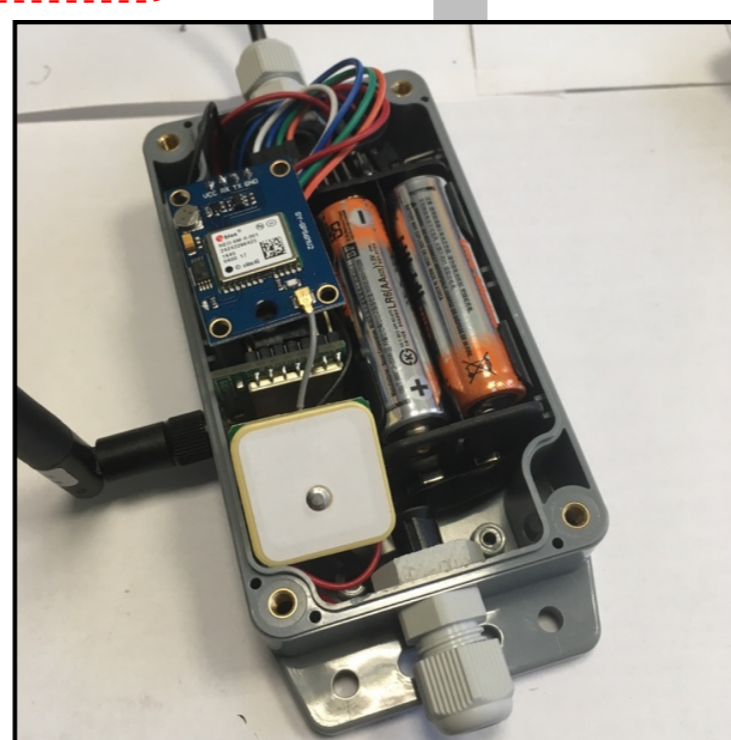
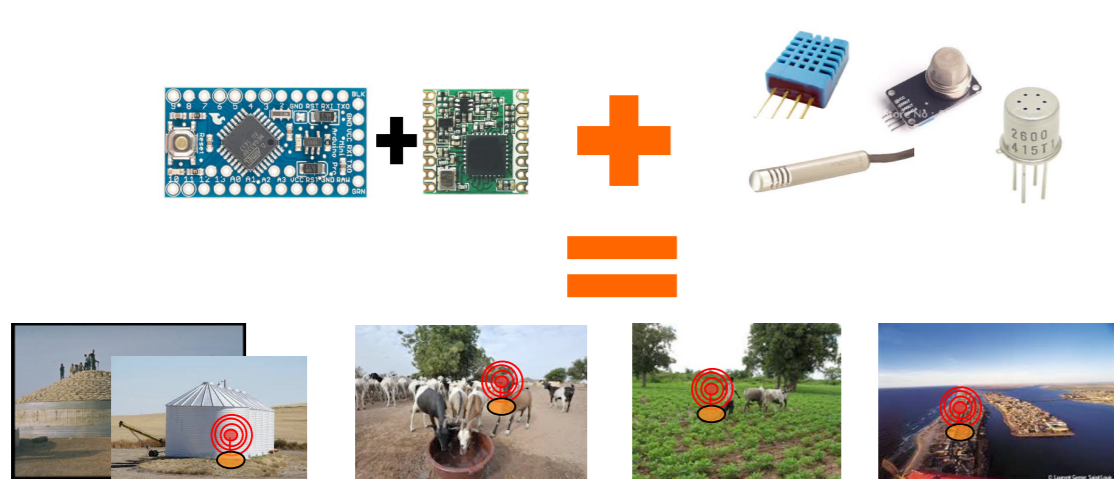
Deployment scenarios in rural environments



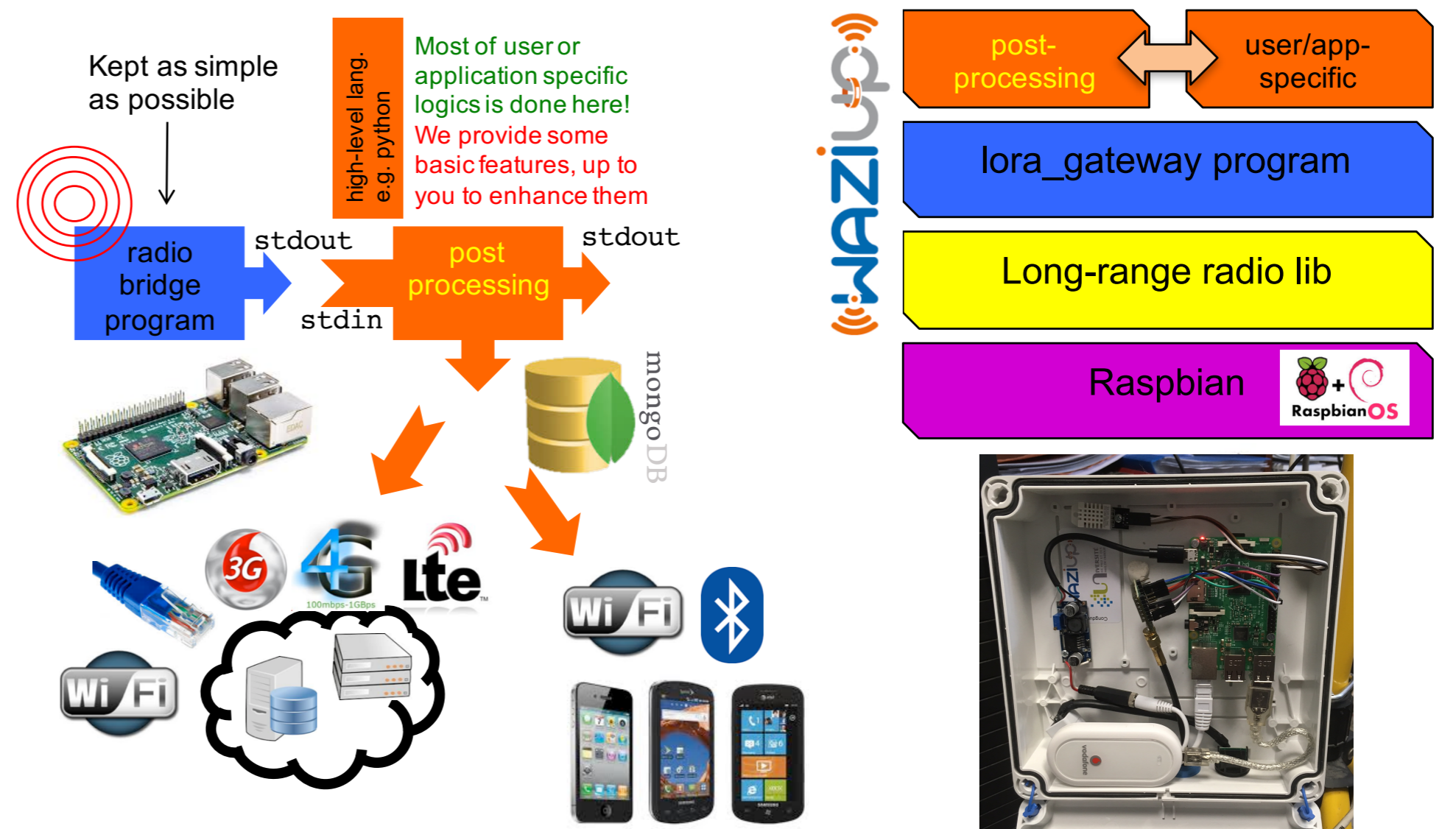
Hardware Generic Platform



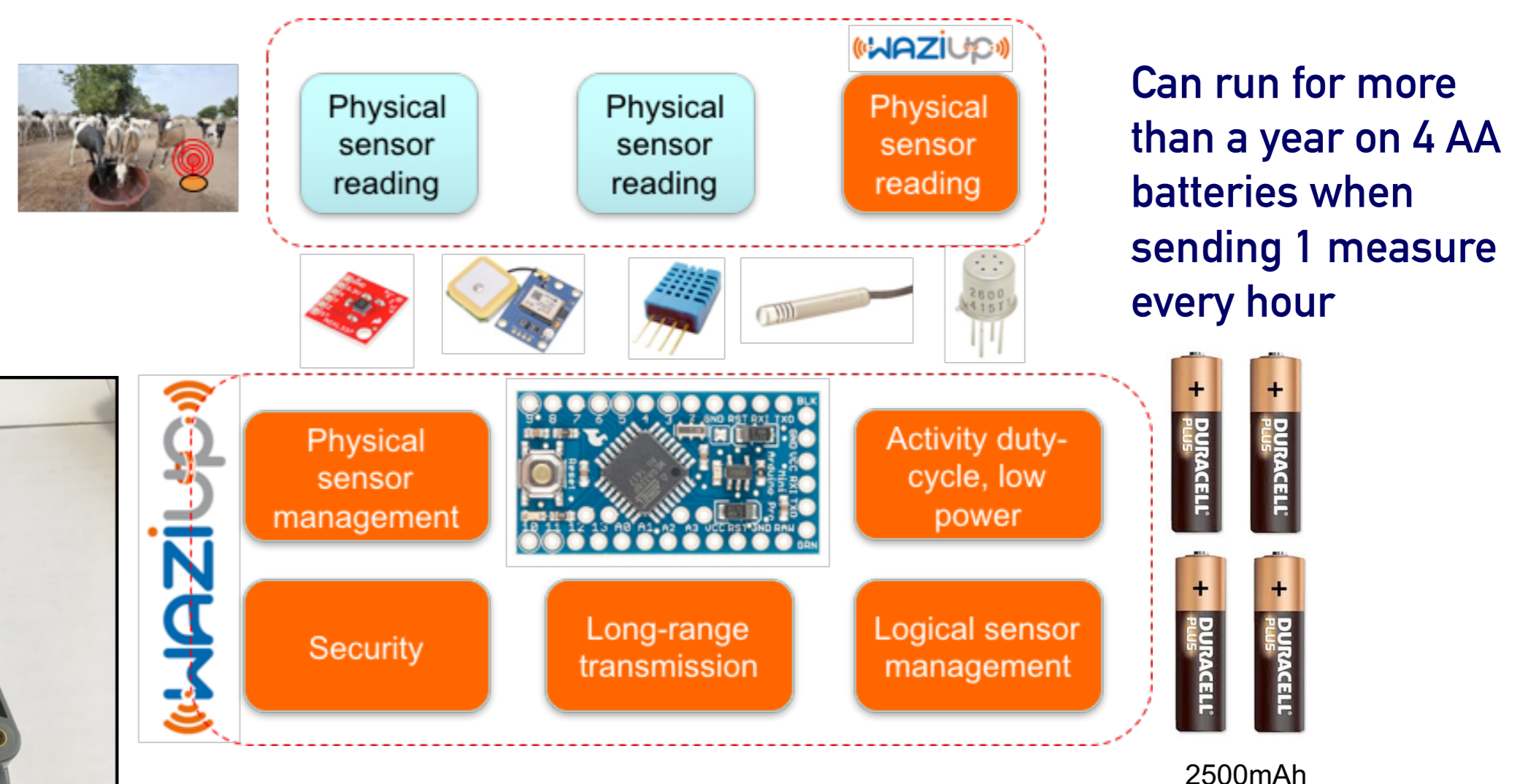
Long-Range communication library



Gateway architecture maximizes appropriation and customization process by third-parties



Software building blocks handle most of IoT issues: communication, encryption, energy management, ...



Can run for more than a year on 4 AA batteries when sending 1 measure every hour

<https://github.com/CongducPham/LowCostLoRaGw>

