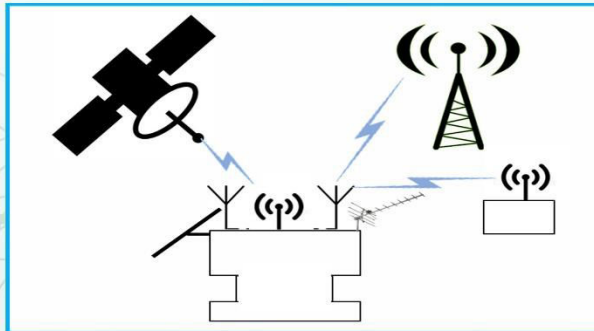


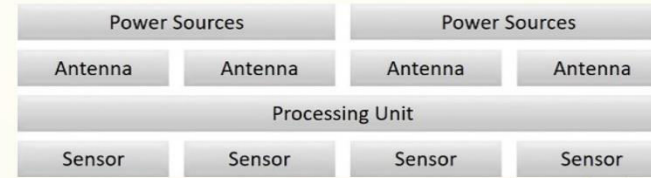
Autonomous-Intelligent Sensor Systems

Power sourcing innovations and global coverage by satellite networks supports designing autonomous – intelligent sensor systems. These systems can be deployed in hitherto unreachable geographic locations

Architecture, may comprise of on sensor low powered microprocessors with flash memory based storage.



They have SHF– VHF, wide band antennas or antenna arrays for communication with both available network nodes in the vicinity or the satellites on as available or as required basis (power optimizations and the signal strength). Ad-hoc networking capability can also be incorporated



Implementation of decision and optimization algorithms at such systems makes related processing and transmission optimized. These proposed sensors can enjoy at least limited mobility by geo-location awareness of the systems

