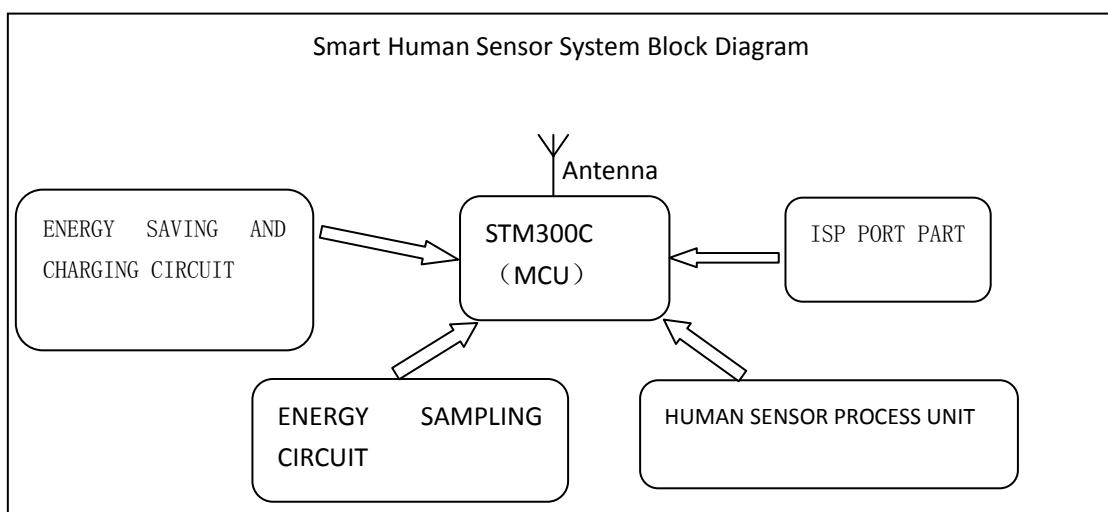


## LTHB315 Operation Description

The smart human sensor is a kind of wireless, no battery, and low-power product based on the Enocean wireless communication protocol, and the energy mainly generated by solar-cell panel.

It sets the illumination measurement and human reaction, and can be install on the woodiness material, glass, cement and so on. It can be used meeting room, warehouse, toilets and many other occasions (but need to be used mating with controllers) the hardware system is mainly composed with STM300C processor, human sensor, solar collection circuit and other parts .no need battery, motive power and control wire, and more environmental protection, more hommization and energy conservation.



Hardware system block diagram

### Product Specification:

Antenna: Whip antenna

Frequency: 315.0 MHz

Data transmission rate/Modulation type:125kbps/ASK

Acceptance sensitivity (25°C): -94dBm

Current drain:

Depth sleep mode: 1µA

Acceptance mode: 30mA

sending mode: 26mA