

# Wireless Sensor Network Applications

## Health-care

### Vital status monitoring

Cardiac Monitoring  
Sudden fall detection

### Remote surveillance

Elderly Monitoring  
Rehabilitation supervision

## Agriculture and environment

### Cattle monitoring

Animal Localization  
Disease Detection

### Precision agriculture

Irrigation Control  
Disease Prediction

### Environment monitoring

Water Control  
Air Quality Monitoring

## Public safety and military systems

### Active intervention

Soldier Supervision  
Firefighter Monitoring

### Passive supervision

Fire Detection  
Perimeter Protection  
Structural Health Monitoring

## Transportation systems

### Traffic control

Vehicle Counting  
Traffic-light Control

### Safety system

Collision Avoidance  
Accident Signaling

### Services

Traffic Jam Information  
Parking Space Assistance

## Industry

### SCADA systems

Pipeline Monitoring  
Production Line Control

### Smart grids

Voltage Measurement  
Home Energy management