**1. What Sensor for Which Civil Resource**

Temperature Sensors:

Application: Monitoring temperature variations that affect material properties, Engine temperature.

Civil Resource: Asphalt pavements, concrete curing processes, underground structures, tunnels.

**2. Why That Sensor**

Temperature Sensors:

Reason: Temperature changes can significantly affect material properties, such as expansion and contraction in concrete or asphalt. Monitoring temperature allows for timely interventions and helps prevent structural failures due to thermal stress.

**3. Features of Such Sensor-Added Civil Systems**

Temperature Sensors:

Features:

1. Real-time temperature monitoring.++++
2. Alerts for extreme temperature variations.
3. Integration with climate control and material property systems.
4. Data logging for long-term analysis.
5. Durable and resistant to environmental factors.