? Start Here — IoT & Sensors Guide

This book covers using LoRa mesh as the communication layer for sensor networks - environmental monitoring, smart agriculture, asset tracking, and data pipeline integration.

? Quick Start by Goal

- **Just want temperature/humidity from my nodes:** Meshtastic Telemetry Module (in Meshtastic book)
- **Build a custom sensor node:** Building an Environmental Sensor Node
- **Get data into Grafana:** MQTT to InfluxDB and Grafana
- **Water quality / flood monitoring:** Water Quality and Flood Monitoring Networks
- **Air quality monitoring:** Air Quality and Environmental Monitoring Networks

? What's In This Book

Sensor Node Hardware

- Sensor Node Hardware Selection
- Building an Environmental Sensor Node
- Solar-Powered Sensor Node Deployment

Data Pipelines

- MQTT to InfluxDB and Grafana
- MQTT Integration for Sensor Data
- MeshCore Sensor Data Integration
- Home Assistant and Node-RED Integration

Application Guides

- Environmental Monitoring with Meshtastic
- Remote Asset Tracking
- Building a Mesh Weather Station Network
- Field Sensor Deployment Guide

Real-World Projects

- Water Quality and Flood Monitoring Networks
- Air Quality and Environmental Monitoring Networks

MeshCore Sensors

- MeshCore Sensor Nodes
- MeshCore Sensor CLI Reference

?? Related Books

- Meshtastic - Telemetry module and MQTT integration
- Room Servers & Gateways - MQTT gateways and Node-RED
- Solar & Power Systems - Powering remote sensor nodes

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