

LiXia provides insights – through hardware AND advanced Analytics, Artificial Intelligence and Machine Learning.

- Like a digital skin, our devices can transform infrastructure into data collecting assets.
- Reduce manual inspections, receive alerts for critical set points
- Transform your static digital twin into a live dynamic digital twin!
- Move from point in time data to real time intelligence
- From the city to the bush, our devices can communicate insights through a broad range of telecommunication types, including low earth satellites!

APPLICATIONS



Power Pole Monitoring

Structural health: tilt, twist, roll



Emergency Management

River height, flash flooding, water over the road, fire



Smart Cities

Microclimate, security, vehicle and people counts



Conductor Monitoring

Sag and clearance





HARDWARE

- Solar charged; battery operated
- Flexible Communications -LoRaWAN, NBIoT, LTE, 4G, 5G
- · IP67 rated enclosure
- · Formfactor is designed for rapid install
- Edge computing and low bandwidth communications for ultra low power and transmission packets



SENSOR OPTIONS

- Microclimate (Temperature, Humidity, Barometric Pressure)
- Wind Speed and Direction¹
- Rainfall intensity and accumulation¹
- · Acceleration and Alignment
- Solar radiation
- · LiDAR
- Image Capture (Conductor Sag, Vegetation ingress)
- Volatile Organic Compounds (VOCs)



¹Measured at the Gateway