

CBOT™ IoT Atmospheric Corrosion Sensor & Data Logger

Innovative Corrosion Monitoring Solutions

Reliable. Intelligent. Connected.

The **CBOT™ IoT Atmospheric Corrosion Sensor & Data Logger** delivers **real-time, precision corrosion monitoring** for industrial, maritime, and remote sites.

Designed for **rugged environments** and **data-driven operations**, it helps you prevent failures, extend asset life, and optimize maintenance planning.

Why Choose ?

CBOT™ sensors give you the visibility to take action before corrosion becomes a problem.

CBOT™ stands for Corrosion BOT, an advanced **wireless IoT sensor** developed by Engineering Director, Inc. to monitor **real-time corrosion rates** in field environments—without the need for intrusive probes or wired connections.

Deployed across industrial assets, these rugged devices provide **ongoing corrosion rate data in micrometers per year ($\mu\text{m}/\text{year}$)**, helping engineers

The **CBOT™ platform** includes:

Long-life wireless sensors (LTE-M or Iridium)

Configurable data intervals

Cloud-based corrosion dashboards

Integration-ready API access

Optional satellite connectivity for remote sites



Ready to Monitor

CBOT™ sensors give you the visibility to take action before corrosion becomes a problem.

CBOT™ is used in pipelines, power grids, refineries, marine infrastructure, and more.

Learn more or deploy your first sensor at www.cbot.tech



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Built for Harsh Environments

- **ISO 22858 Compliant**
Meets global standards for atmospheric corrosion monitoring.
- **Built for Extremes**
Rugged operation from -40°C to $+60^{\circ}\text{C}$.
- **Solar-Powered with Long Battery Life**
Includes 1200mAh LiFePO₄ battery and integrated solar panel.
- **Additional Sensor Capabilities**
Measures temperature, humidity, pressure, and EM fields.



Global Connectivity & Smart Data

- **Wireless Connectivity**
LTE-M, 3G/2G fallback, or Iridium Satellite for reliable global access.
- **GPS Enabled**
Auto-detects location and directionality.
- **Real-Time Data Reporting**
Hourly updates + instant alerts from the field.
- **Onboard SD Card**
Local storage backup ensures data integrity.



Easy Deployment & Smarter Insights

- **ISO 12944-2 Corrosivity Interpretation**
Classifies from C1 (Very Low) to CX (Extreme) for actionable corrosion intelligence.
- **Simple Deployment**
Optional pole-mount kit makes it install-ready in minutes.
- **1-Year Warranty + Optional Ongoing Support**
First year is covered; extended support keeps your system field-ready.