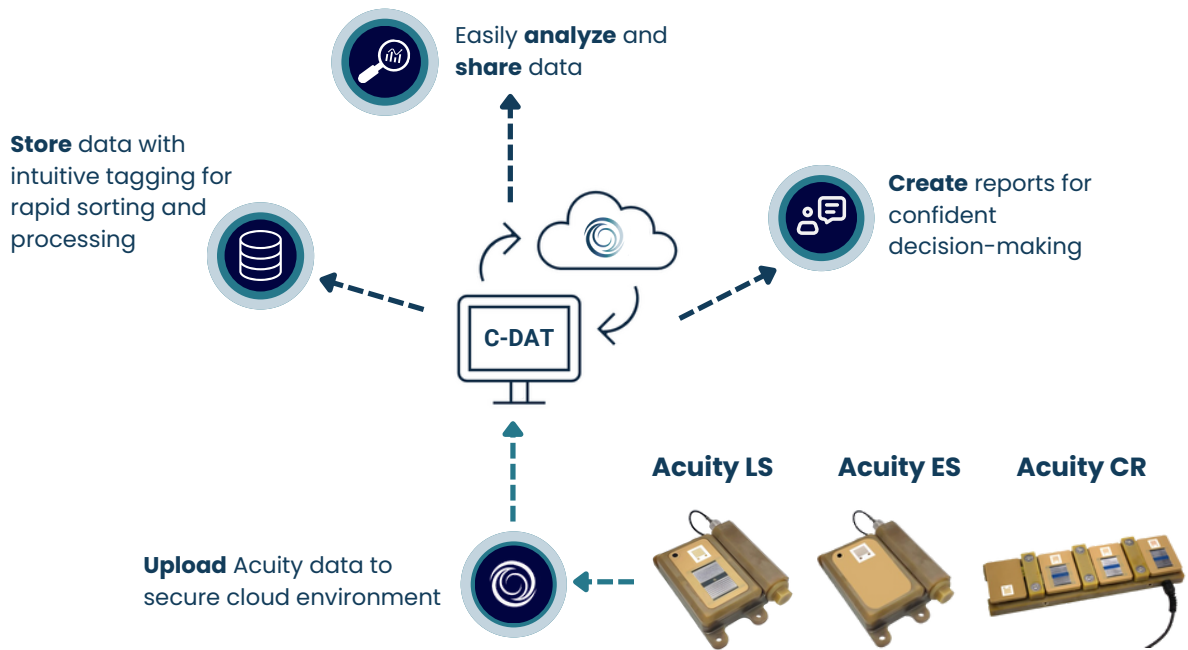# C-DAT
corrosion data analysis tool

Transform Corrosion Data into Actionable Intelligence

Quick analysis.   **Powerful insights.**   **Clear decisions.**

C-DAT software seamlessly integrates with **Acuity corrosion monitoring devices** to deliver secure, **cloud-based storage** and automated **analysis** - making your corrosion data more **accessible, visible,** and **actionable** than ever before.

Easily **analyze** and **share** data

Store data with intuitive tagging for rapid sorting and processing

Create reports for confident decision-making

C-DAT

Upload Acuity data to secure cloud environment

Acuity LS   **Acuity ES**   **Acuity CR**

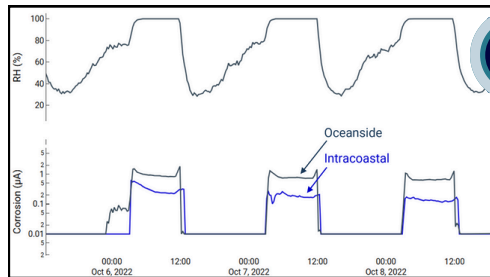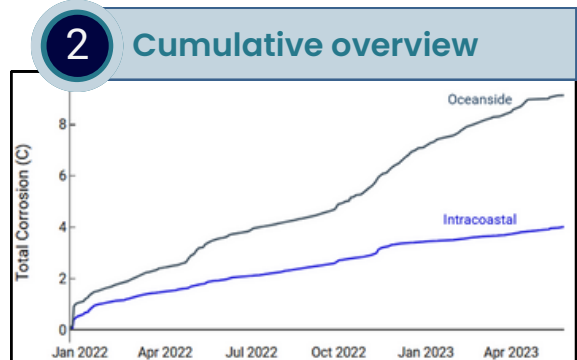
SMART STORAGE   **RAPID ANALYSIS**   **SEAMLESS SHARING**   **POWERFUL VISUALIZATIONS**

1 Detailed time-based resolution

(Chart: RH (%) and Corrosion (µA) over Oct 6–8, 2022; labels Oceanside, Intracoastal)

2 Cumulative overview

(Chart: Total Corrosion (C) from Jan 2022 to Apr 2023; labels Oceanside, Intracoastal)

(Bar chart: Annualized Corrosion (C/a); Over two times more aggressive; Intracoastal vs Oceanside)
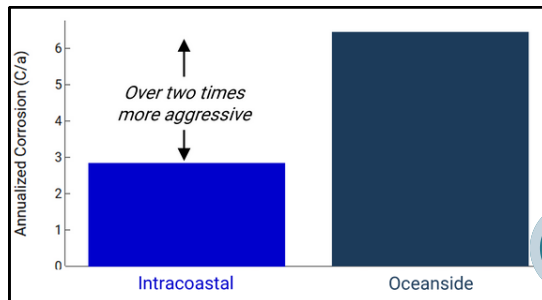
3 High-level summaries

Streamline Your Workflow

Revolutionize how you interact with Acuity data. Move from CSV format to easy C-DAT analysis.

Organize and Access

- Intuitive metadata tagging system for effortless data organization
- Powerful search capabilities to find exactly what you need
- Secure unified database ensuring your data is protected and accessible

Analyze and Visualize

- Automated calculations of key parameters
- Dynamic visualization tools and Instant generation of critical insights
- Significantly reduced time from deployment to decision-making

Share and Collaborate

- Seamless sharing of data and reports across your organization
- Enhanced team collaboration through unified access
- Streamlined communication with stakeholders

Empower Your Corrosion Management Strategy

Drive decision-making processes using comprehensive data to evaluate performance and optimzie maintenance

Material Performance Analysis

- Quantify material performance in usage and laboratory environments
- Inform materials selection and design decisions
- Guide replacement strategies for existing components

Maintenance Optimization

- Quantify the effectiveness of corrosion prevention and control practices
- Guide corrosion maintenance planning
- Advise stakeholders with comprehensive analysis reports
- Share comprehensive reports with decision-makers

Environmental Intelligence

- Universal severity ranking for informed planning across assets
- Comparative analysis across multiple datasets
- Integration with NOAA weather data
- Real-time corrosivity tracking

Contact us to enhance your corrosion management strategy.

sales@acuitycorrosion.com

ACUITY
corrosion technology

Acuity systems provide long-duration, autonomous monitoring of corrosivity and environment severity in service and test environments.

Acuity Corrosion Technology™ and C-DAT™ Corrosion Data Analytics Tools are offered by Luna Labs USA, a Virginia-based product development company serving defense, industrial, and healthcare markets.

✓ Real-time monitoring of environmental and corrosivity

✓ Durable battery powered and autonomous measurements for hands-off monitoring in aggressive environments

✓ Quick, informed decisions for free corrosion and galvanic corrosion management