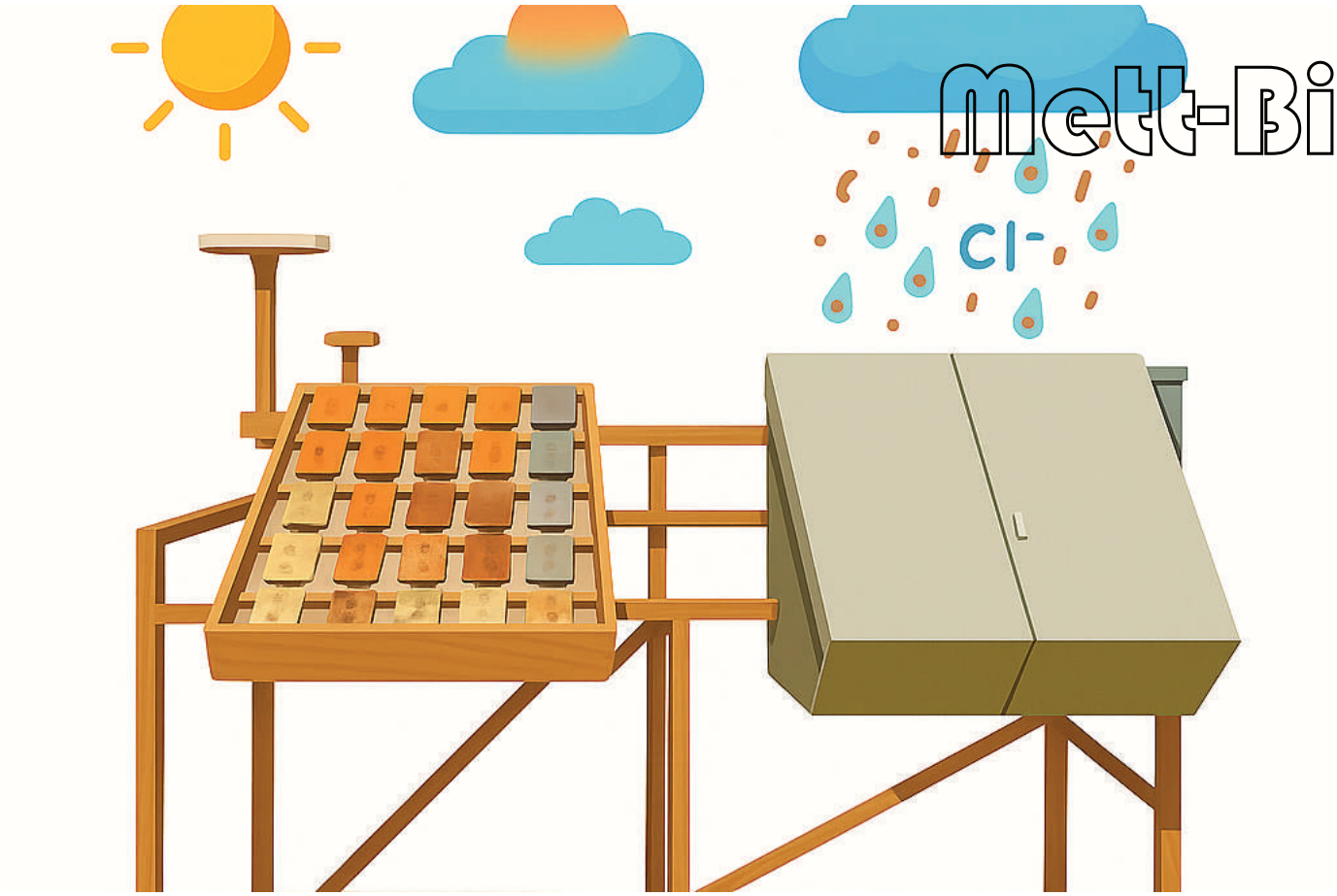
ATMOSPHERIC CORROSION

MONITORING , ASSESSMENT & PREVENTION

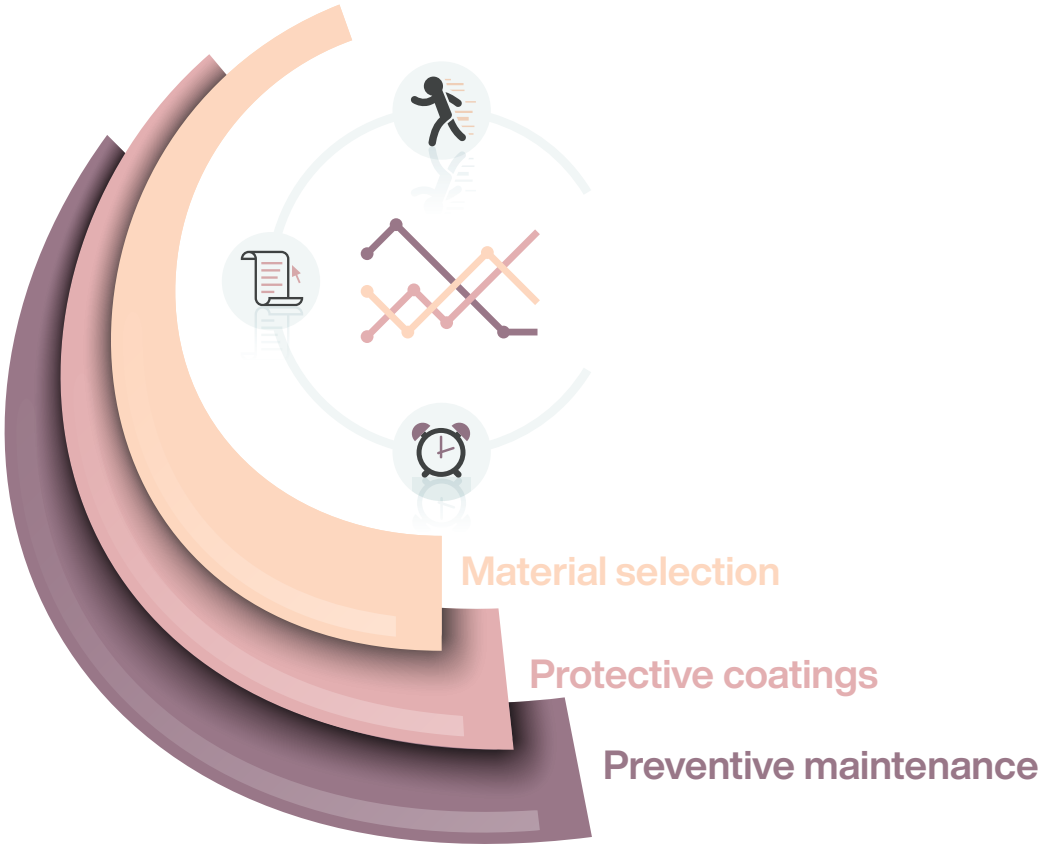
Protect your assets with our comprehensive atmospheric corrosion services. We offer precise monitoring and assessment of environmental factors that contribute to corrosion, using standardized protocols to reflect real-world conditions accurately. Our team measures metal degradation over time, calculates the impact based on collected data, and provides transparent reporting. With tailored prevention strategies, we help extend the lifespan of your infrastructure and reduce maintenance costs. Trust us for consistent, reliable solutions in atmospheric corrosion management.

QUANTIFYING ENVIRONMENTAL CORROSVITY, MEASURING METAL IMPACT.



DEVELOP MAINTENANCE SCHEDULES AND CORROSION PROTECTION STRATEGIES

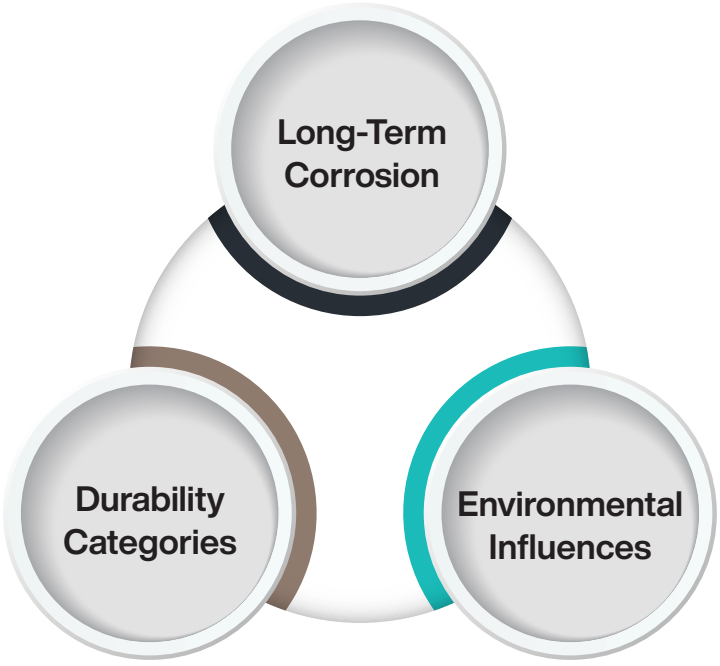
Atmospheric environments classification based on corrosivity to help industries manage material durability and prevent corrosion, considering factors like humidity, temperature, sulfur dioxide, and chloride levels to categorize environments from low to extreme corrosivity. Widely applicable service with standardized testing and supports protective planning, extending asset lifespan and reducing maintenance costs across diverse climates and conditions.



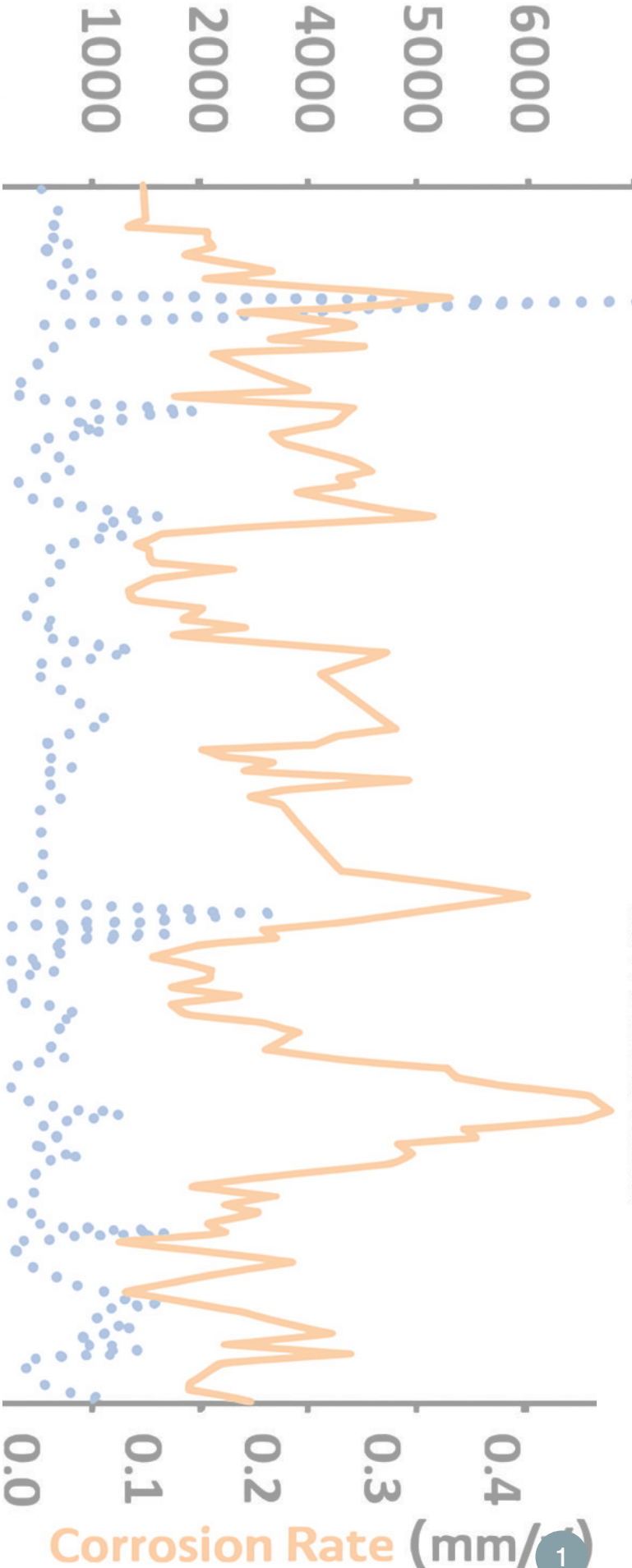
MAKE INFORMED DECISIONS ABOUT MATERIAL SELECTION AND MAINTENANCE PLANNING

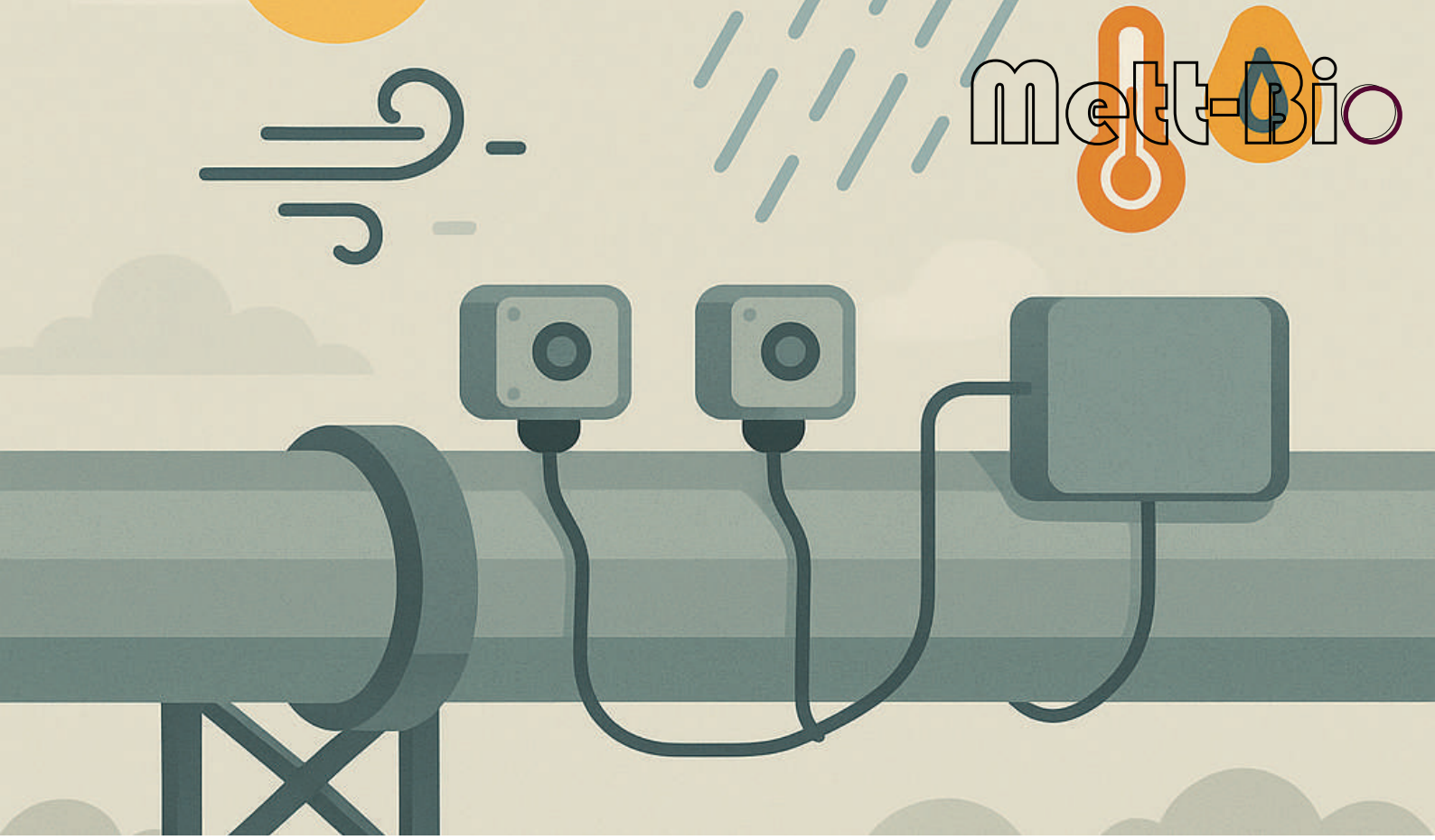
We estimate the long-term durability of materials in corrosive atmospheres, helping industries predict service life and plan maintenance effectively.

By categorizing durability based on environmental factors, we offer cost-effective material selection and lifecycle planning, benefiting infrastructure, transportation, and energy sectors.



Estimate service life of materials exposed to variety of corrosive environments.





QUANTIFY ATMOSPHERIC POLLUTANTS AND ENVIRONMENTAL CONDITIONS

Our services include accurate measurements of environmental factors that drive atmospheric corrosion, supporting corrosion prevention, material selection, and maintenance strategies across industries.

Measure environmental factors that contribute to atmospheric corrosion, to enable accurate corrosivity assessments, supports preventive measures, and helps industries select materials suited to specific conditions. Ensure consistent, reliable data for corrosion management across diverse environments.

VALIDATE CORROSIVITY CLASSIFICATIONS AND ASSESS MATERIAL PERFORMANCE IN REAL-WORLD CONDITIONS.

We measure the corrosion rate of metals exposed to specific atmospheric conditions, supporting validation of corrosivity categories and assessment of material performance to provides standardized procedures for testing corrosion rates of metals like steel, zinc, copper, and aluminium, enabling quality assurance and data consistency.

Metal degradation is assessed by measuring mass loss over a specified period, typically one year, following standardized protocols for sample preparation, positioning, and atmospheric exposure to ensure tests reflect real-world conditions. The procedures include consistent methods for cleaning and weighing samples before and after exposure. Calculations derived from the collected data, along with structured reporting guidelines, ensure reliable and transparent presentation of degradation results.

ENSURE THAT MATERIALS AND COATINGS MEET REQUIRED DURABILITY STANDARDS.