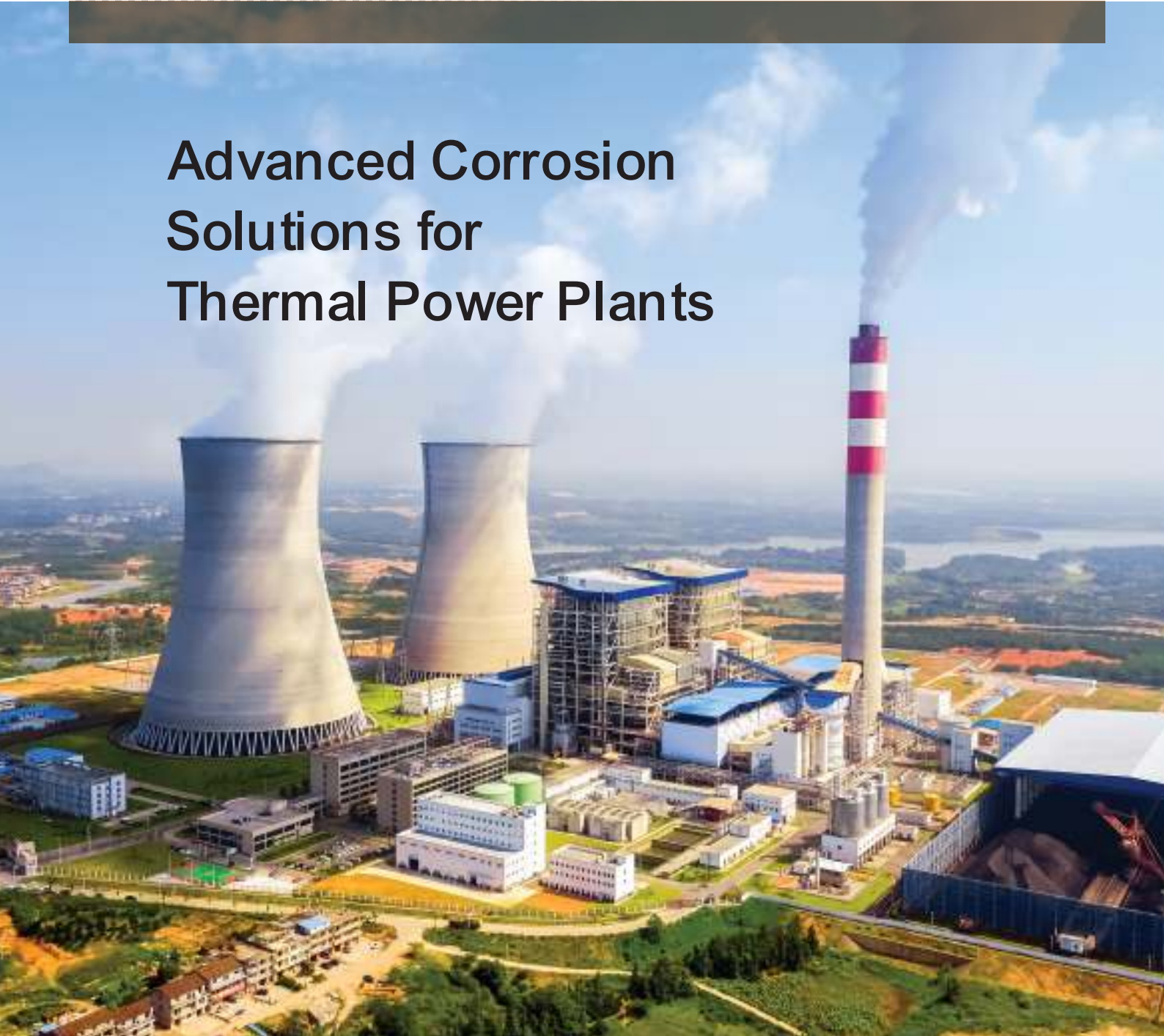


Advanced Corrosion Solutions for Thermal Power Plants



INNOVATIVE CORROSION MANAGEMENT FOR A SAFER TOMORROW

Protect your critical assets with METT-BIO's specialized corrosion assessment and mitigation services for thermal power plants. Our solutions, backed by certified NACE experts, help prevent failures, enhance safety, and extend asset lifespan.

OUR EXPERIENCE

With years of expertise in the power industry, METT-BIO offers tailored solutions for addressing complex corrosion challenges. Our comprehensive services are designed to meet the evolving needs of both new projects and aging infrastructure.

KEY BENEFITS OF CORROSION MANAGEMENT:

- **Increased Equipment Lifespan**
Prevent premature wear and reduce replacement costs.
- **Minimized Downtime**
Avoid costly operational disruptions.
- **Enhanced Efficiency**
Improve plant performance by controlling corrosion deposits.
- **Regulatory Compliance**
Ensure adherence to industry safety and environmental standards.



OUR SERVICES

1. **Planning & Procurement Support**
We assist in selecting corrosion-resistant materials and designing preventive strategies during project planning.
2. **Corrosion Management for Existing Infrastructure**
In-depth assessments and customized mitigation solutions for aging assets.
3. **Tailored Corrosion Mitigation**
Implementing protective coatings, corrosion inhibitors, and cathodic protection systems.
4. **Inspection & Monitoring Plans**
Developing specialized inspection methodologies to track corrosion progression and ensure the effectiveness of preventive measures.



Project Case Study

Challenge

Severe corrosion affecting critical components in a thermal power plant.

Solution

METT-BIO conducted an indepth study, identifying key corrosion mechanisms and implemented targeted solutions. The result was a 30% increase in equipment lifespan and reduced maintenance costs.

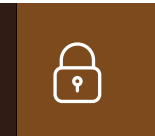
WHY CORROSION ASSESSMENT AND MITIGATION IS REQUIRED?


Corrosion assessment and mitigation are essential for maintaining a thermal power plant's efficiency, safety, and environmental performance. They help in preventing potential failures, improving safety, and ensuring that the plant operates within compliance, ultimately reducing both operational and financial risks.




OUR METHODOLOGY

Our systematic approach ensures accurate corrosion management

 **INITIAL DIAGNOSTICS**
Identify corrosion sources and severity.

 **PREVENTIVE STRATEGIES**
Incorporate corrosion-resistant materials and coatings.

 **CUSTOM SOLUTIONS**
Design tailored mitigation plans.

 **ONGOING MONITORING**
Use advanced tools to track and manage corrosion over time.

CORROSION IN THERMAL POWER PLANTS: CHALLENGES AND SOLUTIONS



SOLUTION

Corrosion is a major contributor to operational inefficiencies in thermal power plants. Addressing corrosion issues with robust solutions can significantly improve plant reliability, reduce maintenance costs, and extend the lifespan of critical components. METT-BIO offers tailored project solutions designed to mitigate corrosion risks effectively.

Skilled professionals providing comprehensive corrosion management solutions.



OVERVIEW

Unplanned shutdowns caused by corrosion can lead to significant operational downtime, loss of revenue, and increased fuel consumption. Our advanced diagnostic and monitoring techniques help thermal power plants minimize downtime, improve operational efficiency, and ensure compliance with industry regulations.

Rapid response to mitigate corrosion-related risks and reduce downtime.



CHALLENGE

The challenges posed by corrosion in thermal power plants include reduced efficiency, frequent equipment failure, and increased safety hazards. These issues not only affect plant performance but also result in significant financial losses and environmental risks. METT-BIO's solutions address these challenges by providing targeted corrosion prevention strategies and customized maintenance plans.

Proven results in mitigating corrosion-related failures and enhancing plant performance.

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Protect your assets, ensure safety, and maximize efficiency with METT-BIO's corrosion solutions!

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