



Operations and Maintenance Assessment

Evaluating Execution, Readiness, and Operational Discipline

The NAES Operations and Maintenance Assessment examines how effectively a facility executes day-to-day operations and maintenance activities. Even well-designed programs can fall short when execution discipline, staffing alignment, or work control processes are inconsistent.

This assessment identifies execution gaps that contribute to performance variability, deferred maintenance, and increased operational risk, while benchmarking plant performance metrics against industry standards to determine whether corrective actions are operationally and financially justified.

Why an O&M Assessment Is Critical

O&M execution issues often drive:

- Increased forced outages and startup failures
- Deferred maintenance and growing backlog
- Inefficient use of labor and contractor resources
- Inconsistent adherence to procedures and standards

These issues typically emerge gradually and are often normalized over time, masking underlying risk.

How NAES Performs the Assessment

NAES applies a structured review derived from its Operational Excellence and reliability standards. The assessment focuses on execution, not theory, and may include:

- Operations practices, shift routines, and operator rounds
- Maintenance planning, scheduling, and work control
- Preventive and predictive maintenance effectiveness
- CMMS usage, backlog health, and work order quality
- Staffing levels, training, and qualification programs
- Benchmarking of key plant performance metrics against industry data to assess performance position and improvement opportunity

The assessment is informed by document review, site observations, and engagement with plant leadership and frontline personnel.

What You Receive

The O&M Assessment delivers:

- A clear evaluation of execution effectiveness across operations and maintenance
- Benchmarking of plant performance metrics against industry comparators
- Identification of gaps relative to NAES standards and industry best practices
- Prioritized recommendations supported by cost-to-benefit considerations
- Actionable guidance aligned with reliability, availability, and financial impact

Findings are designed to be immediately implementable and aligned with facility objectives.

Where This Fits

The O&M Assessment is commonly used:

- As a standalone review of execution performance
- As a focused component of an Operational Excellence Review
- To support reliability improvement and outage reduction initiatives
- During transitions in ownership, staffing, or operating strategy

It also serves as a bridge between assessment findings and corrective action implementation.

Value to Owners and Operators

- Clear understanding of how plant performance compares to industry benchmarks
- Insight into whether improvement actions will materially improve availability and cost performance
- Reduced maintenance backlog and operational surprises
- Enhanced reliability and measurable performance improvement

Engage NAES Asset Solutions to evaluate how effectively your operations and maintenance programs are executed, and where improvements will have the greatest impact.

