

Maintenance Efficiency Audit

Your Roadmap for Improving Plant/Facility Efficiency



Performing a periodic audit on your maintenance management processes and Procedures is vital for any plant or facility to minimize costs and downtime and maximize profits. In these lean times, when more is expected from fewer resources, having a highly efficient maintenance program with thoughtful planning is the key to success. The Martin Technical Maintenance Efficiency Audit will identify and test the critical components of your maintenance program, create a gap analysis, suggest practical corrective actions and provide a compass for future planning.

BENEFITS

Performing a Maintenance Audit typically has a very high rate of return, often saving tens or even hundreds of thousands of dollars in the first year. Some of the benefits of a Maintenance Audit include:

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| <ul style="list-style-type: none"> • Cost Reduction • Reduce Downtime • Reduce Maintenance Emergencies • Improve Equipment Condition/Reliability | <ul style="list-style-type: none"> • Improve Planning & Scheduling • Improve Inventory & Purchase Processes • Energize Maintenance Staff |
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OBJECTIVES

- Increased labor productivity
 - Reduction of overtime
 - Reduced maintenance backlog
 - Reduction in paperwork
- Increased equipment availability
 - Minimize downtime
 - Prolong useful life of equipment
- Reduced inventory costs
 - Minimize obsolete and excess inventory
 - Optimize inventory levels

STANDARD AREAS OF INVESTIGATION

Performing a Maintenance Audit requires involving key plant and maintenance personnel to go through virtually every stage of the maintenance program from entering a work order through completing a job and putting the tools away. Although Martin Technical has outlined the areas of investigation, our staff has the skill and experience to customize the audit to your needs. Typical areas of investigation include:

- Maintenance Work Process Flow
- Work order process flow
- Preventive Maintenance set up and compliance

- Preventive Maintenance Optimization (Right tasks at the right frequency)
- Equipment structure and hierarchy
- Lean maintenance practices
- Parts inventory control
- Parts inventory ROP (how effectively it is used)
- Parts inventory obsolescence management
- KPIs (Key Performance Indicators)
- Parts Purchasing
- CMMS (Computerized Maintenance Management System):
 - Current reports vs. desired reports
 - Work order backlog
 - CMMS functions available and used
 - Monitoring and controlling maintenance costs using your CMMS
 - Work order prioritization

WORK PROCESSES

The following are performed by a senior professional at client site:

- Interview plant/facility personnel at all levels (director, managers, supervisors, technicians, clerical staff, IT personnel etc.). Average time per employee or group 30 to 60 minutes. Depending on findings, some key people are re-interviewed. This whole process could take 8 to 12 hours.
- Review current work process flow with the whole team. This activity takes between 2 to 4 hours.
- Review current CMMS (if any) software and process (data entry, reports, analysis etc.). This activity takes between 2 to 4 hours.

The following is performed by our professional team offsite:

- Review discoveries in detail; conduct phone interviews with the client if necessary and come up with final recommendations.

SERVICES NOT INCLUDED

We exclude the following related to all of the studies identified above:

1. Engineering, design and system modifications

DELIVERABLES

- Comprehensive written report with recommendations including potential benefits and savings

Promotion Code

ABOUT US



Martin Technical, a division of American Trainco, is a provider of practical services and education for maintenance workers and facilities. Our expert staff combines their real world work experiences of the past with today's technologies and best practices to provide our customers with knowledge to operate their plants and maintenance programs in the safest, most efficient manner possible. And because all our experts have in-field experience, we understand the difference between theory and applications and are able to translate today's complex problems into simple solutions that can be implemented tomorrow.

We have serviced over 40,000 companies and organizations ranging from small private facilities to large manufacturing corporations and everyone in between, including:

- Manufacturing Plants
- Schools & Universities
- Data & Service Centers
- Government & Military
- Hospitals
- Shopping Centers
- Energy & Utility Plants
- Water & Waste Water
- Hotel & Hospitality

PRODUCTS & SERVICES

We specialize in making plants and facilities better, safer and more efficient by providing the following services and products:

Electrical Studies & Testing

- Arc Flash Analysis & Labeling
- Short Circuit Study
- Protective Device & Coordination Study
- Power Quality Audit
- Infrared Inspection

Energy Management

- Energy Audits
- Boiler, Compressor & HVAC Audits
- Energy Management Training

Training

- In House Training
- Open Enrollment Courses
- Webinars
- Online Learning

Training Topics

- Electrical
- HVACR
- Codes & Safety
- Pumps
- Pipe & Plumb
- Hydraulics
- Mechanical
- Maintenance Management
- Power Generation
- Petroleum
- Specialty

Electrical Safety

- Electrical Safety Program Development
- Electrical Safety Audit
- Electrical Safety Training
- Qualified Electrical Worker Assessment & Testing

Maintenance Consulting & Audits

- Maintenance Management Consulting
- Maintenance Audits
- Employee Skills Gap Analysis
- Maintenance Program Development

Testing & Assessment

- EPA 608 Certified Test Center
- Pre-employment & topic knowledge testing
- MTAA Certified Test Center

