Maintenance Management

Maintenance Management

Providing highly reliable equipment at the lowest attainable cost

- Maintenance Planning
- Maintenance Control
- Repair and Overhaul
- Facility Planning
- Maintenance Management Information Systems

An effective, proactive plant and equipment maintenance management program pays huge dividends for companies that depend on reliable equipment to produce their goods and services. Developing that program can be a challenge that starts with the attitude of top management and permeates throughout the organization. At JHolcombe & Associates we have the experience to help you through the rigors of assessing and revitalizing your maintenance system.

Maintenance Planning

Defining corporate maintenance strategies, concepts, and indicators is the first step in developing a vibrant, proactive maintenance program.

- How much do you contract to third parties?
- How much do you invest in a preventive / predictive maintenance program?
- What is the affect on technician training?
- What is the equipment operational availability I must have?
- Is my information system capable of supporting my maintenance concepts?
- What do I want to measure?
- What maintenance data is necessary to report in the corporate Executive Information System (EIS)?
- How can I eliminate non-value added maintenance tasks?

All the above are critical questions in developing a maintenance planning philosophy. By using techniques such as Reliability Centered Maintenance (RCM), Level of Repair Analysis (LORA) and Maintainability Analyses, our seasoned maintenance professionals can help you develop innovative, cost cutting maintenance programs that improve equipment reliability and up-time at the lowest attainable cost.

Maintenance Control

- Work order control
- Parts control
- Bill of Material data
- Task standards
- Personnel requirements
- Cost control
- Maintenance data collection
- Overtime requirements
- Backlog

All key factors in developing and designing a flexible planning and scheduling system. JHolcombe & Associates bring valuable expertise in developing, designing, and operating such systems in both the government and commercial entities.

Repair and Overhaul

The maintenance dilemma effects every business in some fashion. Businesses use hardware and software to produce a product, offer a service, or provide repair/replacement services to new and existing clientele.
When all the planning is complete the real test is how well the equipment is being maintained.

- Am I meeting operational availability?
- Is support equipment adequate?
- Am I working to plan?
- Are my technicians adequately trained? What are my maintenance costs as a percentage of sales?
- Are any the following symptoms present that adversely affect maintenance?
  - Poor housekeeping
  - Increasing downtime
  - Poor workmanship
  - Decreasing utilization
  - Increasing tardiness and absenteeism
  - Less attention to paperwork.

We can help you analyze your hands-on maintenance functions, identify root causes for poor performance, and recommend long-lasting solutions.

Maintenance Management, cont'd.

Maintenance Management

Facility Planning

- Defining floor space requirements for both shops and support areas.
- Meeting safety and environmental standards.
- Identifying support equipment.
- Performing cost-benefit analyses.

All the above are critical steps in optimizing maintenance facility design and construction. Whether you are designing and building a new facility, or remodeling an existing one, we have the hands-on experience to help you create a world class maintenance complex.

Maintenance Management Information Systems

- Do I need a Computerized Maintenance
- Management System (CMMS) to support my strategic objectives?
- Does my current system need upgrading?
- How do I select an operating platform?
- What software is the best for my activity?
- What reports generation and query capability is best for me?
- How do we implement?
- What is the most effective schedule?

We help you define requirements in key categories like work order control, material tracking, personnel information, cost data, and report generation. Today there are well over 200 CMMS on the commercial market. Selecting the right one is key as recent studies show that the average payback for the procurement and installation of a CMMS is 14.5 months.

Count on Us

JHolcombe & Associates has the experience and resources to help you develop a proactive, low cost, and highly productive maintenance program. We concentrate on the basics of sound maintenance: leadership, planning and scheduling, preventive and predictive maintenance, reliability improvement, material management, human resource development, and contract maintenance practices. In a recent survey, it was reported that more than 50% of plants have a reactive rather than a proactive maintenance program, resulting in increased costs, more scrap from production, higher utility bills and higher wear-out rates. By shifting to a proactive maintenance philosophy, studies have documented a 2-10% increase in production availability, a reduction of reactive work orders to 5% of the total work, an overtime reduction to 3% of total hours, reduction in utility consumption of 10-15% and overall savings of 10-50% in the first two years of implementation.

Credentials

- Operated under the U. S. Air Force's Maintenance Management Information & Control System (MMICS)
- Assisted in the design of a work order control system to support repairs to sensitive flight hardware at Kennedy Space Center (KSC), Fl
- Played a major role in defining design requirements for a 120,000 SF maintenance & repair facility at KSC
- Played a major role in the design of a 116,000 SF foot administrative and technical facility for the Air Force Office of Special Investigations
- Performed maintenance planning for the National Aeronautics & Space Administration on Spacelab and Space Station hardware
- Performed trade-off analyses for troubleshooting and diagnostics
- Performed cost trade-alternatives for repair of electronic equipment
- Developed a third-party depot maintenance program for electronic hardware
- Developed maintenance concepts for the F-117 stealth fighter
- Supervised aircraft maintenance activities for F-4 and F-105 aircraft