



## CASE STUDY: MARATHON ASHLAND OIL COMPANY

Marathon Ashland Oil Company (Marathon) has four major refineries for gasoline and oil products in four states and a corporate office in Findlay, Ohio.

Marathon purchased a Computerized Maintenance Management System (CMMS) in 1987 and is now operated from a network in Findlay, Ohio. This system has served Marathon well over the past nine years, particularly with regard to the warehousing and purchasing modules for maintenance control.

Marathon determined that it was time to evaluate how well this system was working and what new technologies with regard to a CMMS system could take it into the 21st century. More demands for equipment history, regulatory compliance, and real-time cost data had made this topic a top priority for Marathon.

### **The following engineering services were provided:**

- Completed a comprehensive needs analysis for four refining sites. This included interviews with approximately 200 personnel at all levels of the organization to determine how the CMMS was performing for the entire organization.
  - This included both hourly and salaried positions
- Documented all systems that interfaced with the CMMS for future compatibility
- Determined with an economic analysis to see if the present system could be modified or upgraded to answer Marathon's future needs for a rapidly changing maintenance environment
- Analyzed all CMMS vendors to see what technologies could best fit into Marathon's future plans.
  - It was determined that reliability was the key for future major cost reductions
- Analyzed the best maintenance practices to provide the foundation for a CMMS
- Provided a clear course for Marathon to pursue