

Introduction

Modern manufacturing and process plants can maximize profits by adopting proven and successful industrial asset management practices and methods. Maximum benefits are gained when the right practices and methods are used from the concept development right through design, installation, operation, and finally, the removal of the last evidence of its existence.

Even if the operation is already well established, future profits can be vastly improved by introducing the correct practices, methods, and systems.

There is a known and proven set of methodologies and practices that, if adopted, will generate large additional profits normally lost through waste, inefficiency, and equipment failures. These practices and methods are well established, with proven track records of delivering added profits to business bottom lines.

In this book, you will learn the best industrial asset management practices to adopt. It shows you the stage in the life of the operation to adopt them to gain their maximum benefit. Even if your operation is now established, these proven practices can still be used to improve the business and its performance rapidly.

Low-Cost Production by Design.

Making low-cost quality production is now much more science than art. What makes manufacturing, utilities, mining, and process-based businesses successful is now well understood. Success can almost certainly be delivered. Businesses can get low-cost, quality production by using the proper methods and systems at the right times throughout their commercial life.

With outstanding production plant reliability and availability, you have a known and sure means of meeting customer's requirements at the lowest possible production costs. Adopting and applying successful business systems and methods at the right point in a facility's design and operating life assures equipment reliability and plant availability. This translates into guaranteed permanent low costs, marketplace competitiveness, and continually better profits.

This book summarizes the methods and systems to use. It presents the stage in a production facility's life to use them. If you use them correctly, you will achieve outstanding plant and equipment reliability. With high production reliability, high product quality, and high plant availability assured, it is possible to secure customers with supply commitments at prices that competitors cannot match.

Sample from the Industrial Asset Management and Equipment Reliability eBook Overview Of Practices, Methods, Systems, and Measures.

The simplest and quickest way to present you with the practices, methods, and systems that deliver outstanding production equipment reliability is to put them all on a chart. The overview chart on the next page shows you the techniques and when to apply them during a business' lifetime.

Overview Chart Explained

The measures you use to gauge and manage the business are on the left-hand side. To the right of the measures are the techniques and practices that comply with the best safety, health, and environmental (SHE) practices. Further to the right is a simplified manufacturing or production business facility life cycle. The life cycle of a facility starts with the concept and financial justification, through its designing, commissioning, and operation, and finally, its de-commissioning. The methods, practices, and systems that reduce business risks and deliver outstanding equipment reliability and plant availability are on the far right-hand side.

Equipment reliability and maintenance are business risk management functions. The 'tool kit' of methodologies and practices presented in this book is used to either spot, prevent, or control the many risks that businesses face daily.

Use the chart to select the best management practices and methods to apply at the right point in the facility's design phase and operating life.

A Glossary of Terms

The Glossary contains short and simple explanations of the methods and practices listed in the chart. You can find more information on practices through additional research and reading in industry magazines or the Internet.