



405 pages, hard covered, full color edition (ISBN 90-9015938-X).
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'How to achieve Cost Effective Management Control of Capital Assets?'

This question is based on the impediments found in previous studies:

- The operational needs of the customer/user are either insufficiently defined, or subject to permanent changes, possibly due to changing operational requirements;
- Logistic results are not clearly related to the operational needs and therefore difficult to measure;
- There is a lack of Asset Management information to control the logistics processes.

Ordering

The AMC Base Book 'Cost Effective Management Control of Capital Assets' can be ordered to send a request to: info@amccentre.nl.

An indispensable textbook for all who are depending on Capital Assets!

From knowledge workers to knowledge teams is the central theme in this book.

The most common material logistics methods and techniques are extensively described, from both a theoretical and a practical perspective. The developed system approach, which resulted in an LCM-model to support Asset Management Control, is explained through many illustrations and examples. The LCM-model provides management a tool to manage and control the complete logistics process: specify, design, produce, utilize, maintenance and phase-out.

The required computer application 'AMICO' is based on standardized web technology which is available in almost every organization or can be realized with little effort. AMICO and the use of web portals, enables management to inform all actors about their costs/performances and their contribution to the total cost-effectiveness of the involved Asset.

The book introduces a new concept, called Asset Management Control.

Asset Management Control (AMC) is defined as a Life Cycle Management (LCM) approach to manage all the processes (specify, design, produce, maintain and dispose) needed to create a capital Asset (e.g. a ship, an offshore platform, an aircraft, etc.) capable of meeting operational needs in the most effective and efficient way.

The increasing complexity, cost and size of capital Assets, in combination with a shorter economic lifespan of high-tech system components, has stimulated the need for management tools that can analyze the system effectiveness and life cycle costs.

The maritime environment, in particular the Royal Netherlands Navy, has been selected as the primary research domain because of its familiarity with Asset management and material logistics.

The maritime environment is an aggressive environment. Maritime systems and their equipment often operate in adverse conditions, suffer considerable wear and tear and have a high depreciation rate. Under these conditions cost-effectiveness is hard to attain. A reliable and well-organized AMC system is essential to ensure reliable operations.

For these reasons, an AMC system based approach would appear interesting for the whole maritime sector. It is expected that the principles and results of this research will be applicable to many other sectors in which capital Assets play an important role, e.g. aviation, railways, chemical industry, medical care, etc..

These expectations are founded on the following considerations:

- LCM-systems design is based on a generally acknowledged system approach;
- Developed methods and techniques are based on proven concepts;
- The applied information- and communication technology is based on standard software.

