

# DGAME Serious Gaming Platform

Game Portal

Game Objectives

Ensure for all stakeholders:

- Return on Investment
- Asset Integrity
- Overall Profitability

By:

- Shared Vision
- Team Work
- System Analysis
- Decision Making

**Experience the opportunities and challenges that occur during lifecycle Operation and Maintenance (O&M) of an offshore wind farm! DGAME offers a unique gaming environment in which participants are made familiar with Asset Management Control. Participants are part of a team that sets the course for O&M in one of the most dynamic and challenging sectors where asset management can be applied.**

The DGAME is a *serious gaming platform* that centers on team interaction and cooperation, since asset management is more than solely Operations & Maintenance. During a game session, the participants (3-18 people) form the Life Cycle Management (LCM) Team, which consists of a partnership between the Asset Owner, Asset Manager and the Service Providers. Together they are challenged to realize cost-effective management of the offshore wind farm while striving for a maximum Return on Investment. In every round, each spanning 1 year out of the 20-year lifecycle, the teams determine the course for O&M through cooperative negotiations and joint decision-making by making use of updated information on the offshore wind farm.

***"Team interaction is one of the key focus areas during a DGAME session, during which participants are encouraged to cooperate and find support for their propositions"***

The game focusses on practicing with O&M-strategies for capital assets during the complete lifecycle and is therefore interesting for companies and people who operate in various sectors such as; road- and water construction, energy, air- and water shipping, defense, public transport, yacht construction, etc. For all these companies it is essential that their assets are managed cost effectively, based on reliable data and well trained professionals.'



## Intended Learning Outcomes

<p>1 Awareness of the concept of 'asset management control'</p>	<p>The concept 'asset management' is explained as integral management of capital 'assets' throughout their lifecycle. DGAME sessions provide a learning-by-doing environment in which participants grow awareness and develop, train, and review, their knowledge and skills in the field of asset management control.</p>
<p>2 Cooperation within the integral LCM-Team</p>	<p>The overall learning objective for the LCM-Team is to 'perform as a team'. The group dynamics are analyzed and evaluated throughout the gaming session, while indicating the possible room for improvement.</p>
<p>3 Controlling the <i>return on investment</i> and cost efficiency</p>	<p>Controlling these objectives is essential for asset management. The Asset Management Team has, in cooperation with the other teams, an important role in the decision making process of the integral LCM-team.</p>
<p>4 Controlling safety, cost and value retention</p>	<p>Controlling these objectives is not only essential for realizing the desired performance, it is also important for building a lasting relationship with the service providers. A professional attitude is key for effective decision making in the LCM team meetings.</p>
<p>5 Manage maintenance processes</p>	<p>A professional attitude of the Asset Service Team, in which good product quality, -knowledge and service, form the key focus, is essential; since the asset service team eventually has to accept and implement the course of the management and maintenance during the asset lifecycle.</p>

The DGAME is a web-based application, thereby making the game accessible from any desired location. The DGAME is also offered as a complete workshop. Visit the DGAME Intro Site to get an impression of the DGAME:

- Website : <http://portal.amicoservices.nl/pgIntro>
- Username : dgame@amicoservices.nl
- Password : dgame

For more information, please contact us:

- Phone : +31 (0)223 614 984
- E-mail : info@amccentre.nl



Or visit our website: <https://www.assetmanagementcontrol.nl/asset-performance-management/dgame/>

***"Everyone who has played DGAME, ranging from experienced asset managers to participants new in the field of asset management, find it an enjoyable experience that enhanced their knowledge and skills."***

