

Clockwork Solutions Inc. Validates >98% Operational Availability from Waller Marine's Robust Floating Power Generation Barge Design

Austin, Texas

Waller Marine, a leading EPC (Engineering, Procurement, Construction) firm, renowned for resolving extremely difficult technical and economic challenges in the maritime environment, entrusted Clockwork Solutions Inc. to perform a complex RAM (Reliability, Availability, and Maintainability) validation study on their design of the world's largest floating power generation barge. Clockwork Solutions Inc. highly advanced life-cycle predictive modeling and simulation technology, a form of Predictive Analytics or Business Intelligence, accurately validated >98% Operational Availability from Waller Marine's Robust Floating Power Generation Barge Design.

Clockwork's unique technology and high fidelity life cycle predictive modeling and simulation capabilities were selected by Waller Marine to perform a RAM (Reliability, Availability, Maintainability) study to help Waller Marine accurately assess, validate, and optimize the future operational performance and provisioning requirements for Waller Marine's latest floating power generation barge design. Each barge is mounted with a GE 7FA Gas Turbine Power Plant capable of producing 171 MW a piece. These barges represent the world's largest floating power generation barges. Clockwork Solutions Inc. validated how Waller Marine's robust design and sustainment provisioning can provide in excess of 98% operational availability, better than many land based power plants.

A case study was written and published 5 January 2012 and can be found at http://www.clockwork-solutions.com/inf_doc.php?dt=7.

About Waller Marine (www.wallermarine.com)

Waller Marine, Inc is a full service marine engineering and EPC contracting company located in Houston, Texas.

About Clockwork Solutions (www.clockwork-solutions.com)

Clockwork Solutions Inc. is in the business of conducting advanced lifecycle predictive modeling and simulation (M&S) analysis with their proprietary modeling technology SPAR™. This applied M&S technology allows complex system operators (Vehicle Fleets, Plants, Refineries, OEMs, etc.) to credibly pre-validate the impact of management decisions today on future operational productivity and costs of tomorrow.



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Clockwork's M&S predictive analytics technology and services captures in detail the regional and multi-indentured differences in a systems future lifecycle behavior and costs. Furthermore, Clockwork successfully represents into the future how this enormous set of lifecycle variables in reliability, engineering, operations, maintenance, supply, logistics, etc. changes over time. Clockwork Solutions Inc. is well known in Operations Research (OR), Industrial Engineering (IE), Reliability Availability Maintainability (RAM) Analysis, Reliability Centered Maintenance (RCM), Performance Based Logistics (PBL), Reverse Logistics, Service Parts Planning (SPP), Computerized Maintenance Management Systems (CMMS), Condition Based Maintenance (CBM), Predictive Maintenance (PdM), Product Lifecycle Management (PLM), Aftermarket Support, Obsolescence Planning (DMSMS), What-If Business Planning, and other similar fields of Business Intelligence associated with life cycle management.

Clockwork Solutions' customers include the US Army, the US Marine Corps, JPO MRAP, Lockheed Martin, Raytheon, EADS Astrium, the Israeli Defense Forces, GE Aircraft Engines, Chevron, ConocoPhillips, and many others.

Clockwork Solutions, Inc. headquartered in Austin, TX is a Teakwood Capital Company
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