

Clockwork Solutions SPAR™ Technology Assists Industries Worldwide

*International News
Austin, TX*

Clockwork's applications are used in a variety of industrial fields, such as: Petrochemical Process Engineering, Defense, Semiconductor, Transportation, and Power Supply. International support activities are offered to existing users of Clockwork's applications and to new customers in Europe, Africa, and Asia. Clockwork's professional services support customers from the moment they ask for information about our technology, through the sale process, and along to implementation and use of the purchased application or the building and delivery of the required solutions.

The professional services offered include, but are not limited to: solutions development, models verification, workshops to assist users of our applications, and regular training sessions.

Following is a representational selection of some implementations of Clockwork's technologies made by some of our international users:

- **Applied Materials Israel / PDC:** AMIL-PDC is using a monthly service for spare parts planning. The service is based on the successful model built by Clockwork which employs a unique hybrid technique for spare optimization. This service analyzes the entire install base of semiconductor diagnostic tools supported by PDC worldwide. Based on the analysis, a target stock level (TSL) is set for each part at each depot around the world.
- **Sasol:** Sasol Pty is continuously enlarging their team of VisualSPAR™ modelers, who are building reliability models for each plant in their conglomerate of chemical plants. These models provide insight into the reliability of the plants, helping to identify bottlenecks and improve the overall processes reliability and availability. Some of the models are packed as a runtime version of VisualSPAR™ and given to the engineers of the analyzed plant in order to serve them in their daily tasks.
- **TriBag / Cegelec:** Clockwork built a complex detailed model of the baggage-handling systems of the new terminals of Charles De Gaulle airport in Paris. The model tracks the entire system, including equipment level operations such as baggage hazards and equipment technical failures, and mimics the complex logic of the operation. The repair process includes fault isolation, accessibility routes, special tools, and man-power required for repair at different logistic times. The model treats the daily variability of baggage flow into the system according to the flight schedules. The model recommendations assist the owner of the system and the support company in handling system failure while meeting a predefined performance target given in terms of allowed baggage delays.

- General Dynamics Europe Land Systems: GD-ELS chose VisualSPAR™ as the application to use in planning the stocking level that will guarantee meeting the performance targets of the vehicle fleet they are supporting.
- PBMR: Clockwork is currently building a high-level SPAR™ model of PBMR's modules. The model will give visibility of the expected reliability of the designed PBMR along with the contribution of each module to the system performance. A detailed model of each module will then clarify the module's impact on the system and identify points at which a design change can increase module availability while decreasing the module's impact on availability of the entire system.

The growth of Clockwork's technology and applications promote an initiative to build a unique introduction package which includes:

- A training session tailored to each customer. During this training session, the customer will obtain mathematical background, an understanding of basic application usage, and a deeper modeling knowledge built around a given problem of the customer.
- After the training, the customer gets a three-month license to the application, free of charge.
- At the end of the three-month evaluation period, the user may purchase the application at a discounted rate.

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

Clockwork Solutions develops and markets advanced availability and life cycle performance modeling and simulation products and provides modeling support and consulting services. Clockwork is proud of the work it is doing across the defense services to improve supportability of systems through performance-based modeling and forecasting.

Clockwork Solutions' proprietary modeling technology, SPAR™, uses unique Monte Carlo algorithms to build comprehensive, reliability-based predictive models of complex assets and their operational and logistical environments, such as an aircraft fleet, a missile system, a power plant and its distribution system, or a group of chemical plants.

Clockwork Solutions' customers include the US Army, the US Marine Corps, Lockheed Martin, Raytheon, EADS Astrium, the Israeli Defense Forces, GE Aircraft Engines, Chevron, ConocoPhillips, and many others. Clockwork Solutions, Inc. is headquartered in Austin, TX, and is owned by Formula Vision (TASE: FVT).

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