



Clockwork Solutions Announces the Implementation of an Enterprise-Wide Edition of PS-PLUS at American National Power

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Based on Clockwork's proven SPAR simulation technology, PS-PLUS enables owners and operators of gas turbine power generators to forecast plant availability. It provides the means to optimize costs while considering the effects of operating cycles, scheduled inspections, equipment reliability, spare parts levels, and maintenance staffing on production costs.

ANP operates a large population of gas turbines at multiple sites and must determine cost-effective, long-term spare parts requirements to support scheduled inspections and possible equipment failures. PS-PLUS provides the following:

- Inspection forecasting that considers not only forecasted turbine operating cycles, but also the effect of failures on forecasted operating hours and equipment starts.
- Inspection parts procurement forecasting to indicate when parts are to be ordered for inspection allowing the user to anticipate cash flow requirements. Likely inspection dates, part delivery lead times, and the probability of parts being replaced due to premature aging are among the factors used in the forecasts.
- Recommended cost-effective levels of spares to be kept on hand to respond to random failures. The process for determining the levels considers the entire population of turbines and their geographic locations, specified availability targets, and that the costs of a unit outages.

It is anticipated that the implementation of PS-PLUS will result in cost savings in the tens of millions of dollars over the anticipated life of these large turbines.