Business Case for the Acquisition of the Supertech EVEngine Project Control Apps

The following describes the business justification for the purchase of EVEngine Project Control Application.
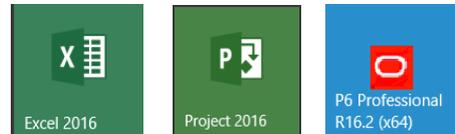
The Requirement

- The company requires a simple to use PC based business solution to evaluate and measure project performance using "World Best Practice" conforming to industry standards.

- The solution must use and build on the company's existing software and hardware infrastructure to minimize cost and impact of introducing new technology and know-how.

- The solution must automate manual means of collating information, processing and reporting and introduce a common methodology to be applied across the whole of the company organization.

- The solution must be able to assess the value of work completed and prepare claims for work completed and payments to contractors substantiated by backup task based progress sheets.

- The solution must be spreadsheet based to allow project managers and cost administrators ready access to view data in a structured manner.

The Solution

Supertech Project Management's **EVEngine Project Controls Application** is a Microsoft Excel Add-In that can be used in Standalone Mode or in conjunction with Microsoft Project, Oracle Primavera P6, or any other planning software with a compatible file data structure. **EVEngine** is a ONE STOP SHOP for all Earned Value based Performance Measurement, Analysis and Reporting to industry best practice.

Key Apps Features in support of Subscription License Acquisition

- **EVEngine** is a Line-of- Business (LOB) project, program, portfolio performance analysis and reporting tool. It provides integration of traditionally separately held accounting, financial control, and planning data.

- **EVEngine** generates Metrics, Indicators and Predictors for units of Cost, Work and Material usage in compliance with International Best Practice and Industry Guidelines and Practice Standards including: The Project Management Institute (PMI) PMBOK® Guide, The PMI Practice Standard for Earned Value Management, Australian Standard AS 4817 Project Performance Measurement Using Earned Value, UK PM Knowledge Earned Value Management APM Guideline, AACE Earned Value and Cost Engineering Practice Standards, ANSI/EIA-748-B - Earned Value Management Systems, and Supertech's EVEngine Advanced Earned Value Theory and Practice, available free from **www.evengine.net**.

- **EVEngine** becomes the single source for schedule and financial reporting. No more confused messages about project progress and performance. Earned Value Performance Management prevents the masking of poor performance because of schedule and budget integration.

- **EVEngine** introduces workflow and methodology and the ability to trend and give advanced notice of budget over and under runs, the advanced notice being significant for financial planning.

- **EVEngine** provides a robust means to ensure that project execution proceeds in a transparent way in accordance with the US Sarbanes-Oxley (SOX) Act of 2002.

- Case Studies show **EVEngine** implementation of can demonstrate a productivity increase of 1,000% over manual and formula based methods of spreadsheet data manipulation providing consistent analysis and reporting across all projects in the enterprise. Significant time savings are made when modeling the effects of data change as work progresses between progressive report periods.

- **EVEngine** releases Project Manager/Analyst from the tedium of data preparation to utilize their time more productively to undertake performance analysis, problem solving and develop strategies to maintain the project on-time within budget. Spend 20% on data preparation and 80% on analysis.

- **EVEngine** facilitates performance analysis and reporting for a single or a portfolio of multiple projects, be they small to large, simple or complex without the overhead of having to implement and support a database.

- **EVEngine** calculates the true cash position based on the negotiated contract payment conditions.

- **EVEngine** can carry the Sale Price apportioned to the activity budget to track Profit against Planned Profit.

- **EVEngine** supports contract payment management by calculating certificates of claim and payments for work completed automating the process saving up to 20% of the project administrative cost.

- **EVEngine** supports financial investment modeling and analysis over the project life cycle using discounted cash flow.

- **EVEngine** generates a range of Structured Reports and Graphs to enable Management to visualize project performance and trends at all level of the projects and focus on areas of poor performance.

> **For the full Application feature description go to www.evengine.net Products Page and download the Project Controls Product Data Sheet**

Documentation, Training, and Support

- **EVEngine's** entire processing capability resides in the familiar Microsoft® Excel workbook environment therefore builds on general skills already held within the company. Requires ONLY a moderate investment in the software together with training to DELIVER an advanced and affordable project management control reporting systems.

- **EVEngine** ships with a comprehensive Installation and Application User Guide together with a range of Industry Practice examples.

- As the **EVEngine** is a Microsoft Excel AddIn product, it requires limited technical support. General customer support is provided by e-mail. Additional Web Based and telephone support can be provided by purchase agreement.

- **EVEngine** Basic Training seminars are available free through the website **www.evengine.net** Services Training page.

- Advanced Training, Mentoring, Assistance and Guidance in establishing project specific control system can be provided by our Certified Consultants at commercial daily rates plus travel, or more cost effectively provided through our web based conference service.

Annual Subscription Pricing

Annual Single User Subscription License in **Australian Dollars**

- **EVEngine Standard** $300 excluding GST* (Entry Level Product)

- **EVEngine Project Control** $3,000 excluding GST*
  This includes five hours of Annual On-Line Web Support.

- Note: International customers are exempt from paying GST (Australian Sales Tax).

- *Case studies show a return on your investment in as few as ONE reporting cycle.*

Organizations that can immediately benefit from an EVEngine Implementation

- **Property Developers** can quickly and easily model their project's cash flow using the basic level pre-feasibility estimate for Investor and Bank finance purposes. Using a combination of the calculated development expenditure with pre-sales and sales revenue, **EVEngine** can determine the return on investment using its discounted cash flow feature.

- **Quantity Surveyors/Construction Estimators** can integrate their project schedule with the corresponding detailed cost plan to model the contract cash flow for funds allocation based on the contract payment conditions. Then by report period, assess the physical completion and the contractor's performance and use the combination of the previous and current period data to calculate the payment due.

- **Small to Medium Engineering, Procurement, Construction Management (EPCM) Organizations** can quickly and cost effectively establish their Earned Value based Project Control (EVPC) system without the complexity and expense of a database application with dedicated hardware and IT specialists to maintain the system. In addition to tracking cost performance, track man-hour expenditure against the budget, and undertake productivity analysis by key commodities. Then based on progress, use **EVEngine** to administer and track payments to Suppliers and Subcontractors.

- **Builders/Construction Contractors** can quickly establish their Earned Value based Project and Program Control (EVPC) system to track cost performance against the estimate, assess and trend profit against that planned and issue certificates of supplier and subcontractor payment. When holding material quantities for key commodities they can track their usage against that budgeted and compare placement rates against those planned and budgeted. For a program of works using common holding key material supply bulks such as piling, precast panels, concrete, structural steel, plaster sheeting etc. **EVEngine's** Analytics can look at the supply chain to identify common bulks for competitive material supply and purchase or to identify supply bottlenecks to then spread orders to multiple vendors.

- **Government and Corporate Agencies** can quickly and cost effectively establish a <u>Program of Works Control</u> system to take charge of their budgetary process. Using **EVEngin's** modelling capabilities a diverse range of projects can be scheduled and prioritized to fit the budget cycle and the set legislative expenditure profile. Having established the program of works and made the corresponding contract commitments to contractors and suppliers, progressive report period job cost accounting system payment data can be imported to and tracked within **EVEngine** against the approved program budget for (SOX) compliance. Adverse cost and timeline trends can be identified and marked for project management attention and corrective action. The **EVEngine** graphical and report data collection can then be published to corporate reporting system as web parts to build a corporate reporting dashboard.

- **Project Financial Auditors** can be quickly capture schedule and cost data from a diverse range of soft and hard data sources to recreate the project history and remaining works to completion. The resulting **EVEngine** calculated Metrics, Indicators and Predictors can then be used to validate claimed performance against the contract, clearly identify contract departure in schedule and budget, and validate any variation claims.

Where To Next - Take the EVEngine Journey

- **EVEngine** is the low risk entry into Project Controls for Small to Medium Organizations wishing to quickly and cost effectively acquire the capability held by Large EPCM Transnational Organizations.

- Licensing is by annual subscription.

- Supertech have a range of on-line and in-house training, consulting and support packages that will give you real and immediate results.

- Take a look at our Product Range:

  o **EVEngine Standard** – This is an entry level project performance reporting system designed for those organizations wishing to trial and evaluate the benefits gained from the introduction of an Earned Value based project control and reporting system.

  o **EVEngine Project Control** - This product is for the Project Controls Specialist, Cost Engineer and Project Manager engaged in tracking and reporting project performance in an Engineering, Procurement and Construction or Contract Management (EPC & EPCM) environment.

Free Trial EVEngine Standard go to
http://www.evengine.net/request-a-trial/

For more information go to
http://www.evengine.net/contact-us/

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