



... Building a Stronger Business

... Business Process Development and Improvement on demand

For many IT projects, the time from conception to implementation is many months and often years. These timescales have meant that IT lags the business requirements significantly and getting meaningful new functionality has been an expensive and hazardous activity. Working with Eden, you can ensure the success of your business process development exactly as and when your business needs dictate.

Eden is one of the new generation of Rich Internet Applications (RIA). RIAs offer the flexibility and ease of use of an intelligent desktop application, and add the broad reach of traditional web applications

Typical Business Processes may be:

Application to Application Integration

- "black box" integration of processes across multiple core systems such as ERP to CRM or warehousing systems

Product Configuration

- complex rules based configurators can now be used by mainstream staff, freeing up expensive specialists

Customised Sales Ordering systems

- where access across multiple systems may be required

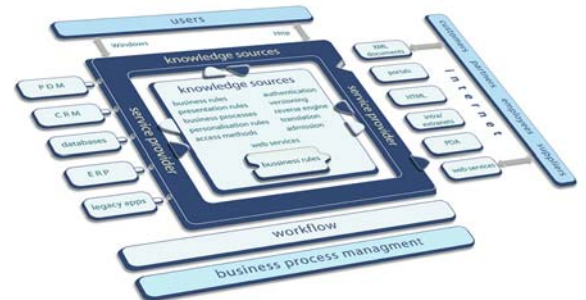
Customer / Supplier Portals

- build secure, web based systems for trading partner collaboration

Agile IT with Eden – integrate and build applications in days and weeks rather than months or years.

What is needed is a technology that allows users to continuously evolve their business processes; a technology that allows users to express their needs as they perceive them without the need for long and expensive projects made up of functional specifications, programming specifications, pilot rooms and endless project meetings.

This is what evolutionary Business Process Management Technology is all about. Eden allows users to develop their business processes exactly as and when their business needs dictate. Processes can be re-thought, simulated, amended, tested and implemented continuously. No big bangs, no nerve jangling leaps into the unknown.



- **Identify the main business issue** – all key issues are business driven, either via internal change or external factors.
- **Agree the processes** – engage the business users who understand the business processes as they are.
- **Understand the rules** – formalise the details behind the individual processes, no matter how large or small.
- **Model and deploy** – model the processes and integration as the users require, build the input screens as appropriate, and then test and deploy. **Applications can be live in days and weeks, rather than months or years.**

Our Approach

Differentia Consulting has developed an approach that recognises no matter how flexible and configurable your ERP system is, there will always be some business processes that cannot be matched.

These issues are traditionally dealt with by modifying the core ERP application, developing separate applications using conventional development tools (Visual Basic, C, C# etc) or allowing users to develop their own "convenience" applications using spreadsheets. Inevitably, these will lead to issues within the business, whether it is by creating such a bespoke solution that further upgrades and development are hampered, or by creating islands of disconnected data.

Eden allows complex, commercially important processes to be defined exactly as you require and to be integrated directly into your existing system infrastructure, no matter how complex the environment may be. Most importantly, core applications are left untouched, ensuring that future upgrades and development can take place in line with your business strategies.

A typical approach to a manufacturing and SOP requirement may be as follows:

Step 1 Configure customer requirement - rules based configuration

Step 2 Generate quotations - complex pricing algorithms

Step 3 Determine promise date - interaction with ERP backbone across multiple sites

Step 4 Submit quotation - transfer using print, email, XML

Step 5 Update Extranet or Portal – allow trading partners to progress transactions.

Technical Details

Eden Technology is made up of the following:

1. The Services Engine

Used to add the ability to existing applications to participate as a service within a Service Orientated Architecture (SOA). The engine is Database independent and can connect to multiple external platforms and databases simultaneously. Web Services integration is a core component

2. The Process Generator

A drag and drop process design environment incorporating an advanced rules engine. The engine supports all kinds of business rules, arithmetic and algebraic rules, workflow processes and can include a genetic module for the creation of optimisation processes.

3. The task manager

The task manager allows processes involving steps undertaken within existing applications to be included within an overall business process. The task manager can call and exchange information with Web Services, Applications, DLLs, .NET DLLs, XML, documents and more...

4. The GUI generator

A drag and drop screen developer allowing process developers to create and modify Windows and or JAVA screens including applications for PDA's and mobile phones.

Pump Id	Rpm_10	Rpm_20	Rpm_30	Rpm_40	Rpm_50	Rpm_60	Rpm_70
A01	83	167	250	333	417	500	583
A25	167	333	500	667	833	1000	1167
A32	333	667	1000	1333	1667	2000	2333
A40	500	1000	1500	2000	2500	3000	3500
A40	517	1033	1550	2067	2583	3100	3617

Selected Pump
A25 Pump 167 - 1667
Diameter: 30
Weight: 56
Pump Unit Price: 250.00

Drive Type: Gear Reduced - JA200TGR - 40.00
Shoe Type: Cast Iron - JA25TIC - 30.00
Flanges: ANSI 150 - JA25FAN - 0.00
Hose Type: Buna-NBR - JA25HTRU - 20.00
Hose Inserts: PPH - JA25HPP - 20.00
Leak Detector:
Vacuum Assist:
Total Unit Price: 360.00

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The above example shows Eden being used as a rules based configurator for peristaltic pumps. Scalable Vector Graphics (SVG) is used to dynamically configure the display as the configuration data is entered. Resultant data is then used to generate a customised quotation and then fed into the SOP system when accepted.