

## Executive Summary

Cosmic Creation is a Sydney based organisation involved in the development and maintenance of IT enabled Services. The company employs qualified personnel & focuses on providing end-to-end services to clients ranging from new application development, IT-Services maintenance support, and project management. Cosmic Creation is delivering quality IT services to clients in Australia since 2000. It provides hand picked development capacity and backs that up with a team of expert project managers, analysts, technical writers and testers, all included as part of project development. The company focuses on process driven approach and integration with clients' systems & procedures.

Within IT Services, Cosmic Creation spotlights on the following:-

- **Exposing** legacy systems, off-the-shelf applications and J2EE / .NET components via XML and Web Services. This involves integrating applications with external & internal systems and exposing their business functionality using web services.
- **Developing** end-to-end enterprise SOA integration solutions. It also includes enabling eCommerce and web connectivity through extensive use of SOA and web services layer.
- **Migrating** software to a modern database/language that provides rich integration capabilities. This entails employing proprietary technologies to speed up clients' software development life-cycle.
- **Applying** industry expertise to build highly configurable and scalable applications and components for Hi-Tech, Financial, Telco & Automotive companies.
- **Building** highly expandable web applications from loosely coupled modules and integrating our solution with your existing IT assets.
- **Re-engineering** applications from the ground up to support relational database, modular, highly expandable architecture and object oriented programming language.

The development team applies its extensive knowledge in Ajax, Web Services, JAVA, .NET and PHP technologies to build complex online applications that are easy to use and maintain. Cosmic Creation develops applications to provide seamless access to all the information stored in legacy system through re-engineering of older database models and query language.

## Industries

**Financial Services** – The Financial Services Industry is undergoing a major change. Ongoing mergers and acquisitions are altering the landscape in US and European markets, forcing newly formed enterprises to manage their offshore practices as a critical core competency. We provide critical services towards replacing legacy technology with more flexible systems, improve operational efficiency, and help towards IT System Integration in mergers and acquisitions. We have extensive experience on Wealth Management Solutions, Portfolio Management, Asset Allocation, Investment Policy Statement and Idea based Trading Platform.

**Telecom** – The telecom industry transformation leads to vast opportunities for new IT development and maintenance projects. Cosmic Creation' experience includes the development of a complex billing application that addresses every aspect of VoIP provider operation: managing operators, tariffs, calling directions and statistics analyses. The system features multi-level reselling, flexible data import, export and mapping.

**E-Commerce** – Internet offers endless possibilities to small and large businesses alike. With the coming of age of scripting languages, and inexpensive access to large storage capacities, it is possible to provide excellent internet based services to users across the globe. Cosmic Creation stands out as a technology provider towards initial development, and maintenance of web applications. Its team of PHP and dot net developers specialize in developing applications for payment gateway, location based services, user registration & tracking, content management, and live support.

**Other** – Cosmic Creation has completed projects for various clients in Retail/Auction, Real Estate, Education, Healthcare, Process & Supply Chain Management.

## Engagement Summary

Cosmic Creation possesses noteworthy experience in offshore software development, and played an important role in the success of businesses that took advantage of and employed Cosmic Creation' services. Examples include:-

- **SensationalTrip.com** – Sensational holidays provides global services for vacation property rentals. The project involved developing web application that would allow property owners to post their properties, mark availability & location on Calendar and Google Maps respectively. Users are able to search the database using text, location, date wise availability, and rent accordingly.

- **Alfresco DMS Portal** – The application is a document & content management solution, and makes use of some of the latest technologies like Spring, Hibernate, JSF, and Acegi in Java/J2EE sphere. The default document management system provided by Alfresco (one of the best DMS) is being already used and customizations are being made on top of it. Some of these include development & integration of subscription engine, document sharing, development of tier-based privacy levels, and payment gateway integration.
- **Active Sensing Inc. (ASI)** – provides simple and flexible product data management software to small and mid-sized companies, particularly to manufacturers of control electronics, consumer electronics, industrial machinery, and automotive OEM parts. Their latest addition is PDXpert, a product lifecycle management (PLM) solution. BuyPLM.com is a website that helps in selling PDXpert. Main features of the application include – User registration & tracking, content management, product download, Invoice generation and product licensing.
- **WellnessProfessionals.com** – is an application providing internet based health services support. Developed in Joomla, the Application boasts of several important features like page caching, Search Engine Optimisation, SEF (Search Engine Friendly URL), e-commerce facilities, online discussion forum, information blog, social bookmarking, and RSS support.
- **Brainmatics' Financial Calculators** – Brainmatics partnered with Cosmic Creation for development of Financial Calculators for their internal team of Business Analysts. The Calculators are deployed on company's Intranet and the Internet. Cosmic Creation worked on various complex financial calculators like retirement nestegg, mortgage management, loan amortization, life expectancy calculation. JFreeChart open source was used as the charting engine towards development of web based interactive charts and reporting framework.
- **Other Engagements:-**
  - Examville.com
  - MySeniorCenter.org
  - CritiCat.com
  - JOpenStudios
  - GlobalEfit

## Engagement Process

**Initiation** - After proposal acceptance, a Project Manager (PM) is assigned to the process. The PM establishes working relationships with the client, discusses

application objectives, and formalises client engagement as regards to reporting frequency & format. The PM allocates assets for project completion and maintains continuous communication with client(s).

**Development** - A detailed project plan is formulated in consultation with the client. Cosmic Creation prepare SRS (software requirements specifications), interface prototypes, and Use Cases description. The project team usually consists of a team leader (TL) and software developers. The TL is responsible for the planning and distribution of tasks between developers. He ensures that the project progresses, meets agreed goals and resolves any organizational or technical problems. The TL also works closely with the PM, processing clients' requests.

**Testing/QA** - A well featured application in market place is successful only when it is reliable and usable. Recognizing this need Cosmic Creation had been providing a high quality independent software testing outsourcing services over the year to its customers worldwide.

Our offerings in wide ranges of testing services are:

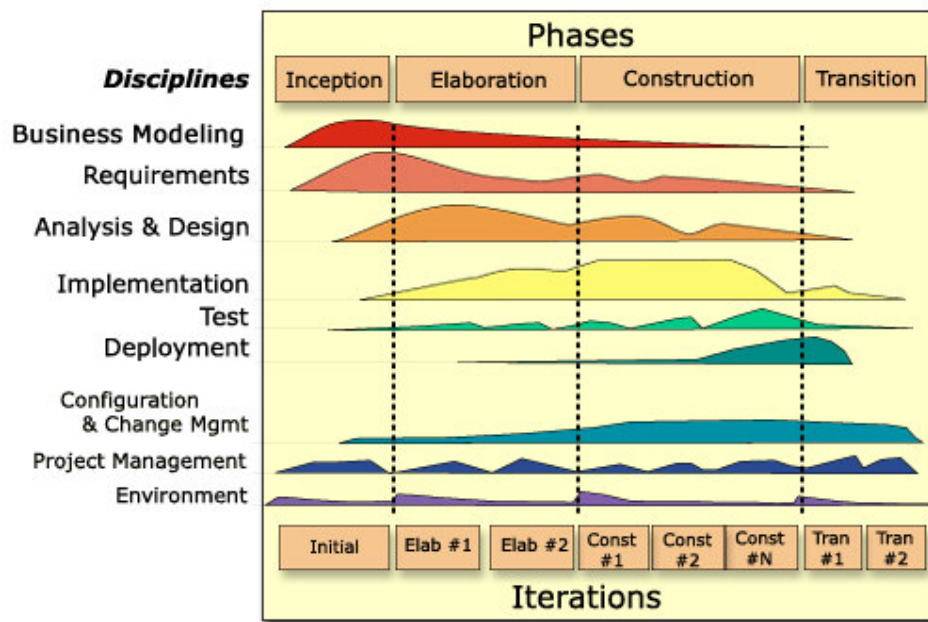
- System validation
- Business Validation
- Platform Validation
- compatibility Validation
- Security Validation
- Performance Validation
- Globalization Validation
- Data Validation
- Functional Validation
- Database testing
- Component and API testing
- Business Process testing

**Support** - Upon successful completion of the project, technical support is arranged for all solutions. Wherever a maintenance issue is identified, a response team that includes quality assurance personnel deals with the issue. Client concerns are tracked, and weekly reports are generated for management review & action.

## **Software Development Methodologies**

The design team at Cosmic Creation employ industry-proven best practices adopted in projects worldwide to deliver the most complex solutions on time and within budget. To address diversity in projects' nature and to improve flexibility a combination of adaptive and predictive software development methodologies is used.

In cases where clients have a well defined vision of a solution with a complete set of specifications & supporting documentation, predictive methodology - **Rational Unified Process (RUP)** is used. In cases when the business needs to deliver a product dynamically, adapting to quickly changing market realities in real time, focus shifts to short development cycles and frequent intermediate deliveries analogous to adaptive methodology – **Scrum (a subset of Extreme Programming)**.



## Internal Standards

**Reuse of existing assets** - To reduce complexity and speed up overall development pre-developed components are used through service oriented architectures leveraging higher-level tools, frameworks, and languages.

**Version Control** – Rational ClearCase is used for versioning and source control for each project at Cosmic Creation. It allows development team to keep track of all changes to the source code, fix errors in earlier versions of the system, and release patches accordingly.

**Issue Tracking** - Any change requests and bug reports are stored in a special database, prioritized as per client requirements, & passed to the developers. **Automated Testing** ensures continual system functionality.

## Technical Profile

### Java:-

**Language:** Java, XML, J2EE technologies

**Specification/Technology:** JSP, Servlets, JMS, EJB 3.0/JPA, JNDI, JDBC

**Tools:** Rational Rose, Eclipse, IBM RAD, Alfresco, LDAP

**Open Source:** Struts2, Hibernate, Spring, IBatis, ANT, Maven, AJAX, DOJO,GWT

**Application Servers:** Weblogic, JBoss, IBM Websphere, SunOne, Tomcat, Apache

**Database:** Oracle 10g, IBM DB2, SQL Server 2005, My SQL5

### .Net:-

**Language:** C#, asp.net, vb.net, ado.net, dot net 1.1, 2.0, 3.0,3.5, classic ASP

**Tools:** Visual Studio 2005, 2008, VSS, DNN, ASPDotNetStoreFront, Ektron CMS, AJAX

**Servers:** IIS

**Database:** SQL Server 2000,2005, MySQL 5.0

### PHP:-

**Language:** PHP, XML

**Tools:** Zend Studio, PHP Designer, MY SQL client, XAMP, WAMP, SugarCRM

**Open Source:** Joomla, Drupal, XOOPS, CodeIgniter, Zend Framework, Magento, OSCommerce, CakePHP

**Application Servers:** Apache

**Database:** MySQL 5.0

### QA/Testing:-

**Industry standard tools:** QTP, Winrunner and Loadrunner

**Opensource tool:** OpenSTA

**Bug Tracking:** Bugzilla, JIRA, TeamTrack and Mantis

**Configuration Management Tools:** VSS, CVS, SVN,Source Jammer and Perforce

**Functional Tool:** QTP, Winrunner, Sellenium and AutoIT

**Unit testing tool:** Nunit and Junit

**Performance Tool:** Load Runner, OpenSTA, WAPT, Jmeter and Microsoft ACT

**Security testing tool:** HP QA inspect, IBM appscan

**Test Management tool:** Quality center, test director and Spiratest management tool;

## Organisation Chart for Cosmic Creations

