

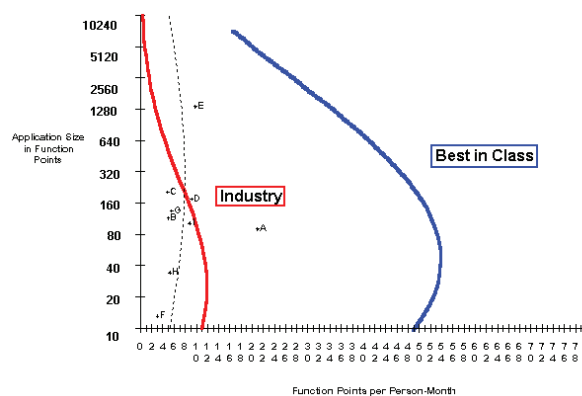
# Class Super and Object deliver using Process Mentor

Class Super and Process Mentor have successfully delivered a highly complex financial services application for Self Managed Superannuation Funds (SMFS) using Next Generation development technologies and a world class development methodology.

The days of technology as a long term commercial differentiator are diminishing. We only have to look at the falling prices of hardware and how business users are becoming more involved in the 'typical' project lifecycle. Technology and IT are fast becoming commodity items. Object Consulting's Process Mentor provides a new and innovative way for organisations to gain competitive advantage. Process Mentor also provides organisations the framework to stay ahead of the competition in today's development race.

Process Mentor provides guidance and best practices on how to build enterprise-capable solutions in a compliance environment, utilising Agile and traditional development techniques to achieve a quantum shift in developer (and project team) productivity while providing increased visibility to management.

**HIGH PRODUCTIVITY ON LARGE PROJECTS AND LOW ON SMALLER PROJECTS**



The chart provides an insight to the magnitude of the issue faced by the majority of large corporate organisations.

As systems complexity increases through the number of function points, developer productivity slows exponentially. This occurs to roughly the 10,000 function point mark where only the best in class can continue. This slowdown is due to issues associated with communication and system costs.

To overcome this, Object Consulting re-examined and rewrote the rule book and typical technologies used for IT development.



Contact us for more information

p: +61 409 907 066  
e: processmentor@gmail.com  
w: www.processmentor.com

[www.processmentor.com](http://www.processmentor.com)



Standard development lifecycles such as waterfall - iterative and incremental while effective - have a number of limitations, most notably that they all require significant effort at the start of a project defining requirements, developing architectures and creating detailed schedules prior to development commencing. On the other hand, conventional Agile techniques minimise some of this overhead and increase project visibility but do not scale beyond small development teams.

Process Mentor has been able to successfully apply traditional and proven software development processes and techniques with the best aspects of Agile approaches. It provides the process and quality aspects traditionally associated with CMMI lead initiatives with the responsiveness and visibility to stakeholders and management of Agile.

By integrating Process Mentor into our technology partners Collabnet (Subversion), Atlassian (Jira and Confluence) and Microsoft (MS Project) tools, we have developed a best of breed platform for the use of REST Services and Cloud Computing. This platform provides a scalable solution with web concurrent development, using Open Source and continuous testing.

The shift to development in the 21<sup>st</sup> century can occur when this is coupled with leading edge technologies and tools such as:

- Web 2.0
- REST services
- Cloud Computing
- Continuous testing
- Web enabled concurrent development
- Open Source

The Australian variant of SMFS and 401 (k) is the fastest growing sector in the Australian Superannuation market. In response to this and the lack of credible tools to support these funds, Class Super made the decision to address this sector through an Internet- based bureau system, giving the SMFS administrators a reliable and low cost mechanism to administer funds.

Class Super embarked on its journey to deliver a world class product that is designed to provide:

- Core regulatory and compliance administration;
- Account administration;
- Document administration and most importantly,
- Minimal work by skilled administrators.



Contact us for more information

p: +61 409 907 066  
e: processmentor@gmail.com  
w: www.processmentor.com

## Class Super

As with many start up organisations Class Super was faced with the difficult task of architecting and building a solution that is highly extensible while catering for a number of mandatory functional components such as:

- Superannuation Legislation
- Pensions
- A complete set of Financial Registries
- Profit & Loss
- Balance Sheet
- Configurable Chart of Accounts

The solution, including all functional components, needed to be achieved within a finite budget and time scale. Given that the budget, timescales and features were all fixed it was quickly realised that without the introduction of innovation and cutting edge technologies the targets could not be achieved.

Traditional development technologies were unable to provide the responsiveness, visibility, testability and scalability required to deliver 20,000 function points in the time or budget available.

Class Super's CEO Richard Barber quickly realised this and through the engagement of Object Consulting as the primary vendor for architecture and development services was able to capitalise on Process Mentor.

On the journey to success, a number of key process and architectural decisions that directly contributed to meeting the expectations of the client and investors were made.

Of particular note in shaping the project and final solution were the following points:

- Process Mentor
- Web enabled concurrent development
- Web 2.0
- REST services
- Cloud Computing
- Scalable solutions

With the development techniques applied, many of the delivery process risks were eliminated completely or managed to a point of acceptable risk where they could be proactively monitored and managed by the project team.

At Class Super, we were able to deliver at a rate of over 50 function points per month per developer through utilising cutting edge approaches to financial systems architecture, web services and process design.

## Beyond world class productivity, the project achieved something far more important - a break through product.

Adopting novel web-services architecture the project engineered a system capable of supporting 100,000s of funds with full transactional control and a market leading user experience. A world first system has been developed that allows the accountant full traceability from the balance sheet down to individual transactions. For the auditor, the system provides complete transparency of transactions.

Given the large user base requirement and Class Super's Internet business model, the system needed to operate on a platform with viable economics. For this reason Object Consulting architected, designed and implemented a Private Cloud capable of delivering high availability at a very low price point in high availability configuration.

The approach and technologies utilised allowed Class Super to succeed where traditional methods would not and in the end delivered business benefits in the following ways:

- Development Speed
- Cost
- Scalability
- Visibility
- End to end testability
- Confidence to have multiple release cycles – daily or weekly if needed



Contact us for more information

p: +61 409 907 066  
e: [processmentor@gmail.com](mailto:processmentor@gmail.com)  
w: [www.processmentor.com](http://www.processmentor.com)

[www.processmentor.com](http://www.processmentor.com)

