TYCO & 'Intelligent Access Program – Service Provider (IAP-SP)'

About the Client:
With 11 billion annual sales revenue, over 90,000 employees working in 1200 offices in 100 plus countries, **Tyco – Fire and Security** (http://www.tycofireandsecurity.com/) division needs no introduction when talking about the security on a global arena.

Every day, Tyco - Fire and Security division, helps to make the world safer. They protect 300 international airports, 80% of the world's top 100 retailers, 26,000 fire departments, over 5 million homes and countless businesses, hospitals, ships, museums, roadways, power plants and public buildings.

The security system for the World Bank headquarters in Washington, D.C. The fire detection and suppression system for Australia's Sydney Harbour Tunnel. All from them. They are the world's leading provider of video surveillance equipment and systems. A leader in large-scale systems integration. A leader in security monitoring for homes and businesses.

Tyco acquired ADT (American District Telegraph) in 1998 (http://www.adt.com/wps/portal/adt/about_adt/company_history#1998) to firm a stronger bond in the world of security.   The IAP-SP is the initiative of ADT.

Business Need:
The Transport Authority of Australia planned to implement certain speed limits, provisions and regulations manning traffic. The speed limits, provisions and regulations differ from jurisdiction to jurisdiction.

The Transport Authorities proposed to register to IAP Application and use the In Vehicle Units (IVU) installed on all registered vehicles with GPS to regulate and monitor the speed limits.

Vehicles installing the application, complying with the rules and maintaining speed limit would get a lot of other benefits from the Transport Authorities.

The IAP-SP (an Intelligent Access Program) was proposed to monitor traffic and report non-compliance to the respective jurisdiction of the occurrence. The IAP-SP uses complex business logics and rules to implement various exceptions that occurred during the process.

The Challenge:
The IAP-SP was a small part of a very large and complex system which involved several parties. ACROPETAL was handed the code to work upon and was expected to resolve the UAT business issues in a very short span of time. The challenge was to understand the complex code which was already developed by other parties and revert with changes which could suffice the business audit. This was not an easy task. This application was one of its kinds in Australia; which was already attempted by many parties earlier and had not been successful. Therefore the success factor was at very high stake. The challenge was successfully tackling continuous surprises of new components that

popped up frequently. This had enhanced the complexity; the challenge was to understand and execute the project end to end.

Acropetal's Solution:
- Analyze, Understand and implement the business logic into the code and fix the missing links to the proper functioning of the application.
- Provide a web application to administer the rules and events occurring to the entire process.
- A full hand control on the entire 'Intelligent Access Program' using the customized design of the application.
- To cater with maintenance related activities and having met the SLAs as per the agreement.

Technologies:
- Platform: .NET 2.0 and 3.5.
- Technologies: ASP.NET, AJAX
- Language: C#, JavaScript
- Middleware Tools: BizTalk Server 2006
- Database: SQL Server 2005

Benefits to the Client:

The biggest benefit is that the client is the only organization with successful implementation of IAP Application, Certified by the Testing and Certifying Authority (TCA) of Australia. This is a feather to its glory in the Australian market.