



Partnership Success Story:

Outsourcing software application development

Client:

Plasco ID is an identification solution provider based in Miami, Florida. It is an established and well respected organization with over 20 years experience in the security industry. As a value added reseller, integrator and custom developer of card-based technology solutions, Plasco ID services multiple vertical markets such as schools, government agencies, hospitals, corporations and amusement parks throughout the USA and international markets.

Since its inception back in 1983, Plasco ID's product strategy and portfolio has evolved from pre-packaged off the shelf products and services to more highly customized card solutions to meet client requirements.

Challenge & Opportunities:

With today's new security realities and ever evolving client requirements, Plasco ID was receiving more and more requests to deliver innovative ID solutions. Some of these requests represented product opportunities for new ID market niches for Plasco ID. To effectively address the new markets, Plasco ID realized that they would have to develop commercial grade software applications rather than providing unique customized software application solutions for each client.

The challenge for Plasco ID, was answering the business question of either building the applications internally or assisting the technical team by outsourcing the development of the software applications. Even though Plasco ID has developed over the years a veteran team of product managers, programmers, technicians and support specialists, many other factors were at play in making the final decision. Influencing the decision were issues of time to market, financial viability, the need for additional software developers, selection of the software platform and architecture and relevant technical experience.

Solution & Benefits:

The business decision was made to partner with *SPECSid* to build the applications. The advantages for Plasco ID were compelling in that no time was wasted in undertaking a lengthy search to find the required experienced full-time developers to employ. They gained a technical team with commercial ID software development experience without the associated cost of implementing an R&D infrastructure. *SPECSid* brought to the project a Software Development Kit (SDK) platform which they had developed based upon the flexible Microsoft .Net architecture. They also gained a team with relevant project management experience to complement the Plasco ID team.

The use of collaboration tools for online meetings, remote desktop communication, discussion boards, bug tracking, and change requests resulted in smooth project execution, deployment and support.

The tangible benefits for Plasco ID by outsourcing the software application development to *SPECSid* was the ability to deliver software products to their clients on time, of the highest commercial quality, on budget, and with the knowledge that the applications were built on the latest and most flexible software architecture for future peace of mind. These benefits translated into increase revenues from new market segments.

“Outsourcing application development to SPECSid has enabled us to introduce unique, highly sophisticated products in a fraction of the time and cost than we could have on our own. Their highly experienced and talented development team is able to easily translate our vision for these applications into powerful, commercial-grade products.”

Alan Mendelson, Plasco ID

With over a decade of experience in providing solutions to the security and identification community, SPECSid's highly skilled technical staff offers a wide range of services to ensure successful implementation of complex ID/credential projects. For more information about SPECSid and SPECSid products and services, please visit <http://www.specsid.com> or contact:

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Products and services provided to Plasco ID

A – Amusement Park client access application using Hand Geometry authentication

Plasco ID mandated *SPECSid* to develop an integrated ID and access solution for improving amusement park access by securely authenticating season pass holders. A biometric based solution called “**BioParkPass**¹” was developed and its first commercial installation was in October 2005.

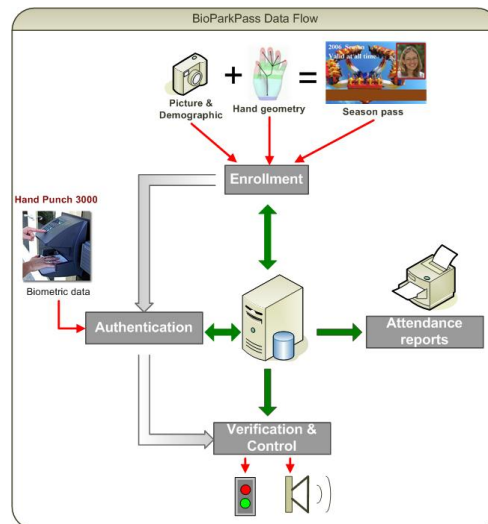
While enrolling a season pass, a hand geometry template is also being recorded in the database for pass validation. A personalized season pass (picture and name) is then printed for the client. When a client enters the park, they simply swipe their season pass and place their hand in a reader to instantly allow or deny entry based on pass privileges.

SPECSid assisted PlascoID in the analysis, design and programming of the solution by providing:

- The software development using C# (C-Sharp) under Microsoft Visual Studio.NET®
- The *SPECSid*™ Framework http://www.specsid.com/SPECSid_Brochure.pdf
- Project management
- Quality control and technical support



A self-serve kiosk. The pass holder is identified by the season pass' magstripe and authenticated by the hand reader.



During enrollment, a hand geometry template is recorded. When accessing the park, the seasons pass holder swipe the card and place his hand in the hand reader to get access to the site.

For more details on this solution please visit <http://www.plascoid.com/products/biopark.asp>

¹ BioParkPass is a trademark of Plasco Inc.

B –School attendance tracking system

Plasco ID mandated *SPECSid* to develop a second generation of an integrated ID and student tracking solution. The solution was named “**PlascoTrac**²” it saw its first commercial installation in August 2006. The goal of this application is to track student attendance in high schools and to identify problem students based on the collected data.

Upon entering the school, the student’s ID barcode is scanned through a keyboard wedge. The attendance is recorded and compared to the student’ schedule, registered in a central database. If the student is late (or any other infraction type), an infraction ticket is automatically issued on a label printer.

A PDA (mobile device) is also used to remotely issue miscellaneous infractions within the school facility. When placing the PDA in its cradle, the data synchronizes with the central database.

Disciplinary actions, escalation processes, reports and Warning letter to parents are configurable and managed by the application.

SPECSid assisted PlascoID in the analysis, design and programming of the solution by providing:

- The software development using C# (C-Sharp) under Microsoft Visual Studio.NET[®]
- The *SPECSid*™ Framework http://www.specsid.com/SPECSid_Brochure.pdf
- Project management
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The screenshot shows the PlascoTrac software interface. The window title is "PlascoTrac" and the header displays "My School name" and "Student Entry". The interface includes a navigation sidebar on the left with icons for Student Entry, Configuration, Research, Reports, Compliance, Tools, and MobileTrac. The main content area is divided into sections: "Student" with input fields for ID Number (12345678), Last Name (Leduc), First Name (Claude), MI, and Grade (12), along with a photo and buttons for "Student Details...", "New Student...", and "Reset"; "TRAC Preview" with a dropdown menu set to "Tardy" and a table of student history; and a "Notes" section with a text area containing "This student is late on a regular base". The table in the TRAC Preview section is as follows:

Entry Date	Entry Time	Record #	TRAC Code	Action	Action Date
8/11/2006	10:25 AM	10	TCODE1		
8/11/2006	10:25 AM	9	TCODE1		
8/11/2006	10:25 AM	8	TCODE1		
8/11/2006	10:25 AM	7	TCODE1		
8/11/2006	10:25 AM	6	TCODE1	Detention	8/14/2006

Additional interface elements include a "Time for this Entry" field showing "8/11/2006 10:25:06 AM", a "Disciplinary Action" field showing "Detention", an "Action Date" field showing "Monday, August 14, 2006", and buttons for "Print Pass", "Unattended mode", "Save TRAC", and "Reprint Last Pass". The status bar at the bottom indicates "TCODE1 saved successfully for student '12345678'" and "V. 5.1.16.0".

For more details on this solution please visit <http://www.plascoid.com/products/plascotrak.asp>

² PlascoTrac is a trademark of Plasco Inc.