

Chile's Highly Secure National Identity Card



When the Chilean government was looking to replace its existing national identity card and passport, it required a solution that was technologically advanced but still offered peace of mind through unbeatable levels of security. After a thorough tender process, involving system demonstrations in Chile and Europe, the government identified the right supplier, De La Rue Identity Systems. De La Rue's unique identification solution, Fortas[®], is the only card technology developed specifically for governments.

CHILE'S CIVIL REGISTRATION AND IDENTIFICATION SERVICE NOW BENEFITS FROM

- A system capable of issuing 13 million, ICAO compliant, digital identity cards.
- Improved application and production turnaround times.
- A highly-secure central production system using non-commercially available material.
- A trusted business partner, focused on maximising the quality, security and integrity of Chile's national identity card.

WHY DE LA RUE?

Chile's Civil Registration and Identification Service selected De La Rue for:

- Its advanced technology developed specifically for the government market.
- A strong track record in successfully implementing over 50 government schemes.
- Its knowledge of secure document production, personalisation and issuance.
- A true business partnership based on a supplier relationship going back to 1989.



VISION

Chile's Civil Registration and Identification Service had a vision to develop a world leading passport and national identity card which combined security devices and machine readable features to withstand threats from counterfeit and fraud. The Chilean national identity card can be issued at birth and is mandatory once you reach 18 years old. It can be used in place of the passport for travel to Argentina, Brazil, Uruguay and Paraguay and is often used as legal proof of a bearer's identity.

Fortas, De La Rue's revolutionary identity card technology, was able to fulfil the Chilean Government's vision. In addition to being fully compliant with ICAO (International Civil Aviation Organisation) specifications, the new identity card was produced from a material that could not be obtained commercially, it incorporated unbeatable security devices and could be issued efficiently from a central production site which had dual document capability.

SOLUTION

The Chilean national identity project to issue 13 million identity cards and 1 million passports was launched by De La Rue, working with local Chilean systems integration partner SONDA, in 2002. The documents are personalised at a centrally located site that uses De La Rue's MIDIS, MLIS and Fortas technologies, and then distributed from over 300 individual sites.

Chilean citizens apply in person at a local bureau where their fingerprint is checked against a central database. If the application is made before 12 midday then the document is produced overnight ready for despatch within a 24 hour turnaround time. The information on the Fortas identity card includes a 2D barcode storing the bearer's details and fingerprint data,

digitally printed personal data, a signature and a colour image. The card has 3 levels of anti-counterfeit technologies and several unique tamper-evident features. One of the tamper-evident features ensures that the security print and personalisation data become interlinked during the issuance process, therefore it is impossible to alter one without disturbing the other. Additionally any attempt to alter or remove the data will react brightly under ultra-violet illumination. The identity cards are produced using a high-speed, high-volume manufacturing and personalisation process, which is fully accountable and strictly audited minimising any threats to security.

In Chile identity cards have a 5 year lifespan and therefore need to withstand constant daily wear and tear. In independent tests carried out during the tender process Fortas was flexed over 1 million times without suffering any damage; PVC cards broke after only 50,000 flexes; with all other cards breaking in under 350,000 flexes.



Other performance tests indicated that Fortas could withstand attacks from chemicals such as petrol and acetone far better than any other card materials.

“ In Chile we were looking for the optimum national identification card, one that combined maximum security with durability and a long life-span. De La Rue has developed a unique solution which is backed by its reputation for security, integrity and trust – to date we have not witnessed a single forged identity card.

*María Alejandra Sepúlveda,
National Director,
Civil Registration
and Identification
Service*



De La Rue Identity Systems provides secure identity solutions for governments around the world. Backed by the company's unique heritage in developing secure products and services, Identity Systems offers integrated, tailored identity solutions for national identification and registration programmes, driver's license and passport issuing schemes. De La Rue invests heavily in research and development, and works alongside organisations such as Interpol, the FBI, Scotland Yard and the United Nations, to enable it to keep ahead of fraudsters and counterfeiters. As a result, Identity Systems is at the centre of some of the most exciting and innovative developments in the modern world.

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