

Biometrics Electronic Voting System

Diebold is a global leader in providing integrated self-service, security systems and services.

Employing more than 16,000 employees, company has representation in more than 90 countries worldwide, primarily servicing customers in financial, commercial and retail markets, as well as government agencies.

In 2006, Brazil's national elections board, Tribunal Superior Eleitoral (TSE), published a public bid for development of an integrated "electronic voting" election system with the following main requirements:

1. Biometrics finger detection based application to be integrated to TSE's voting machines
2. Automatic finger detection capability, with no help of third parties
3. Finger detection speed up to 0,5s
4. Hardware-independent software solution
5. Full integration with TSE's API

6. Unlimited use, restricted to TSE's voting machines.

Electronic voting system was launched in Brazil back in the middle 1990's, rapidly becoming an international benchmark because of its ac-

Customer Quote:

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Marco Lallo, Project Manager, Diebold

curacy, accountability and security. The results of the elections of 2008, when more than 130 million brazilian citizen in 5.560 municipalities voted, were officially informed just 3 hours after its closure.

This project phase adds biometrics finger detection capabilities to the existing electronic voting system in order to dramatically reduce the risk

of frauds during the election period. TSE's electronic voting system to be developed at this phase works comparing elector's fingerprints with a pre-installed database in the voting terminal, each one related to a pre-defined voting region throughout the country, helping to speed up and increase accuracy of the voting check-in process.

In order to be successful in the project, Diebold evaluated available fingerprint software in the market and selected Griaule's technology because the need of transparent integration with its voting terminals and TSE's API's as well as Griaule's fingerprint software efficiency.

Needs

- High quality standards during brazilian elections countrywide
- Personal data duplicity elimination
- Frauds risk elimination

Benefits

- Efficient and fast personal identification procedures
- Voter's equality achievement
- Fast elections results

Future Scenarios

- Biometrics electronic voting system implementation by 2014 to all brazilian voters
- Integration of different federal agencies using biometrics systems solution

About Griaule Biometrics

Griaule fingerprint recognition software is the powerful technology behind thousands of biometric transactions made daily all over the world.

Whether it's used for time attendance or criminal investigation, we have the solution for large and small scale organizations. We are providing the means for the future of widespread and daily use of biometrics.

www.griaulebiometrics.com

