Secur-eVote

Secur-eVote is an electronic voting solution allowing governments to hold elections faster, more efficiently and at lower cost. This solution has been fully designed and developed by Zetes and pools its expertise in creating highly secure solutions for public authorities, its ability to roll out automatic identification technologies as well as its capacity to produce ergonomic and robust terminals.

A highly secure and reliable voting system is a prerequisite for democratic elections. That is why Zetes has developed an extremely robust solution that meets the most stringent security standards. It complies with electoral principles guaranteeing the secret ballot and the "one person, one vote" rule.

Flexibility of use
Requirements can vary significantly from one election to another but Secur-eVote allows multiple configurations.
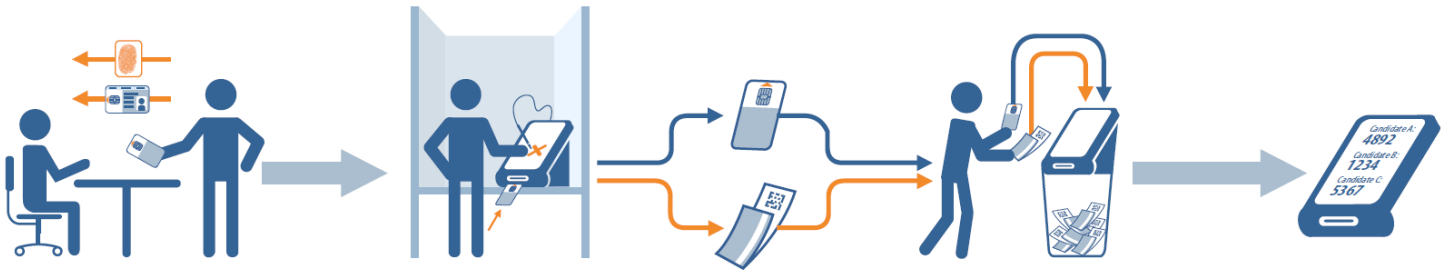
Secur-eVote with smart card: the voter receives a smart card to be inserted into the terminal to initiate the procedure. When the vote has been cast, it is stored on the card. The vote is read and recorded directly as soon as the card is inserted into a smart ballot box.

Secur-eVote with a printed ballot paper: the voter inserts a smart card into the terminal to start the process but the vote is printed on a paper ballot, which also carries a data matrix code. This allows the voter to double check the vote visually. This ballot can be inserted into a traditional ballot box or into a smart ballot box. In the latter case,

the data matrix code is read at the time of insertion and the vote is recorded automatically.

Secur-eVote with the smart ballot box: the Secur-eVote terminals are interchangeable and can be used as both a traditional ballot box and as a smart ballot box. In this case, it is coupled to a receptacle that stores the votes once they have been read. The smart ballot box allows instant electronic counting, which significantly reduces the time that elapses between the end of voting and the publication of the results. The transition takes place by changing the software, which is different depending on whether the

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device is used as a voting terminal or as a ballot box. With this system, if the computer responsible for reading the votes proves to be defective, it can be easily replaced and does not disrupt the elections.

Internet Secur-eVote: the system can also be used in the context of internet voting. In this case, the terminals are connected to the intranet and the votes are transferred to a central system.

An extremely secure system

Secur-eVote includes many security features to prevent tampering or incorrect use.

- The system can only be started after the appropriate software has been installed. This is provided by the competent authorities on a secure USB key, which must be used in combination with the PIN code supplied by the same authorities. No other key is accepted by the terminal and the USB port is rendered inaccessible to voters.
- Only voting cards and ballot papers assigned to a specific voting terminal are accepted by this polling station.

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Key features

- Simple design, user-friendly interface
- Voting intentions entered via: 17 "touch screen, stylus or buttons
- Includes a card reader and printer
- Easy connection, reduced number of power cables
- Intended for use by the visually impaired thanks to the provision of headphones and 4 function buttons.

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- All terminals belonging to the same polling station are connected virtually. In this way, only the votes of this polling station are taken into account when counting the votes.
- Each vote is encrypted so that no one can retrieve data on the intention of the voter.
- When the ballot paper printing method is used in combination with the smart ballot box, the system has been designed in such a way that the ballot, once checked and folded, remains folded and therefore secret, including at the time it is read.
- Should an anomaly arise (fake card, person trying to vote a second time, etc.), an audible signal is triggered to notify the returning officers. It is also triggered if the area containing printing paper is open when it should be closed.

Secur-eVote is suitable for all voting scenarios, whether national or regional elections, voting in the private sector, etc.

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