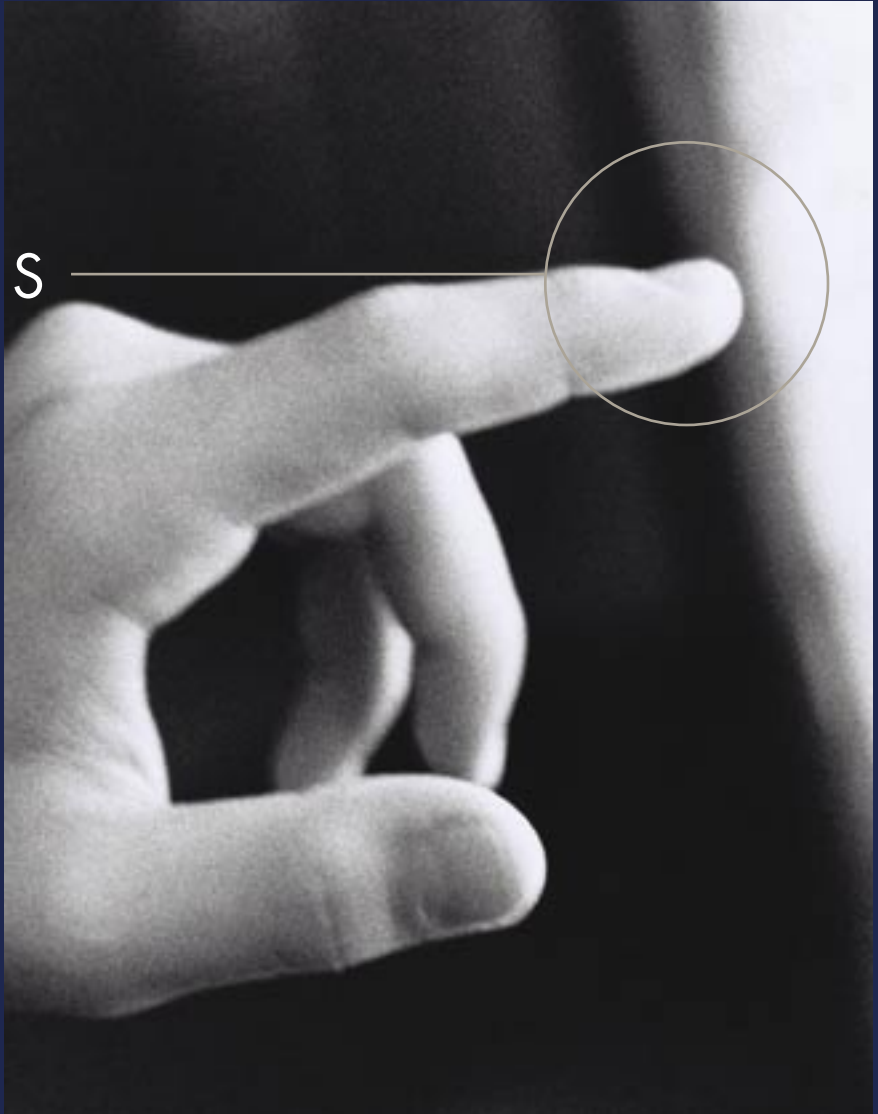# CHOICES

Electronic Voting Solutions

AVC Edge

AVC Advantage

At Sequoia Every Vote Counts

The changing nature of elections around the nation confronts governments and authorities with major challenges, such as complex ballots, tighter budgets, demands for faster result declarations, accelerating election cycles, ensuring equal voting access for all citizens and the need to reverse falling turnouts. For these and other reasons, many governments have either moved to or are evaluating the latest in electronic voting (e-voting).

Helping governments implement e-voting technology is Sequoia Voting Systems, which – backed by knowledgeable consultants with expert election experience – has built an unparalleled reputation for its e-voting solutions.

For governments and election officials looking to replace their current paper-based or antiquated mechanical voting methods with an electronic voting system that voters will readily embrace, Sequoia Voting Systems offers two convenient choices: its pioneering full-face ballot AVC Advantage and the touch screen AVC Edge e-voting kiosk.

Electronic Voting Solutions

AVC Advantage

A Premier Electronic Voting Solution

In continuous use since 1988, the AVC Advantage is a freestanding, full-faced DRE unit that has delivered thousands of successful elections. Backed by technological innovation and an expert consultancy that only decades of elections experience can provide, the AVC Advantage combines the benefits of e-voting with the familiarity and speed of the full ballot display. Voters simply make their selections electronically by pressing buttons on the ballot, voting confidently thanks to the unit's advanced electronic accuracy and security. Additionally, the AVC Advantage maintains the all-inclusive single page ballot style that has been used for generations – meaning voters do not have to scroll through ballot pages. The AVC Advantage is manufactured with advanced, industrial-strength electronics and solid-state memory, with no disk drives or moving parts to fail. The AVC Advantage puts the most advanced election technology at the voters' fingertips. Consider the benefits:

Ease of Operation

Designed to be easily maneuvered by just one person, the AVC Advantage rolls on four large rubber casters with a five-inch clearance and is quick and easy to set up. It also displays clear messages and prompts for poll workers and voters throughout all phases of operation.

Complete Accessibility Features.

The AVC Advantage is wheelchair accessible. It offers optional audio voting technology for people who are visually impaired or have difficulty reading and is 100% HAVA compliant. Ballots and instructions can also be printed using a wide selection of fonts and multiple languages.

Reliable Automation.

The firmware that operates each standalone voting unit is proprietary and designed specifically for elections. Its closed system provides reliable security and allows no external access to the embedded programming. The AVC Advantage will not allow voters to over-vote a ballot, thereby reducing the number of unintentionally spoiled ballots. Additionally, at anytime prior to casting their votes, the voters can review their choices and amend them if desired. A privacy curtain completely encloses the voting area, ensuring total voter privacy.

Simplicity of Voting

The AVC Advantage's tactile voting switch visual indicator provides tangible feedback to the voter, confirming that it has correctly recorded the voter's selections. Its large candidate area accommodates large type for easy-to-read ballots, and it is capable of recording write-in votes.

Uncomplicated Maintenance

The AVC Advantage requires no specialist knowledge to operate or maintain. It performs a self-diagnosis at every power-up, and its error messages display in plain, easy-to-understand language for quick and simple troubleshooting. Plus its modular-component design allows for easy in-field part replacement or system upgrade.

Speed and Reliability

The AVC Advantage stores an electronic randomized record of all votes cast and can print this audit trail on demand. The unit records all system activity during the pre-election, election, and post-election cycles. A visual display of vote totals serves as an additional backup. A built-in battery backup rated for 16 hours ensures uninterrupted service in the event of an external power source failure.

AVC Advantage

AVC Edge

The Latest Generation of Touch Screen Technology

Introduced to the market in 1999, Sequoia Voting Systems' AVC Edge touch screen voting machines are freestanding units that allow voters to select their choices electronically, much like an ATM. Accurate and trouble-free, the AVC Edge has earned a solid reputation for successful elections in every precinct in which it has been installed. As Sequoia Voting Systems' latest generation offering, it incorporates the tried and tested design and security philosophies of the AVC Advantage.

The AVC Edge features a touch screen for the voter interface and comes in a medium-size, self-contained portable case. It can be placed on a tabletop or assembled as a stand with its integral legs. Voters select their choices by touching target areas on an electronically generated ballot. The display is extremely legible thanks to the large typeface on the 15-inch LCD screen. The first screen can be configured to allow voters to choose their preferred language. Scroll buttons give voters straightforward navigation tools for moving forward and backward through the ballots. Voters can verify their selections and change them at any time before casting their votes. After the polls close, the system can print polling station totals along with paper copies of the ballots cast; and these are stored as a permanent record – further assuring the security and integrity of the election. Other Edge benefits include:

Ease of Operation

The Edge's compact size makes it easy to transport to and from the polling stations. There is also an optional storage cart, which holds up to five AVC Edge units and further facilitates transportation and storage. Designed for fast and simple setup, the Edge requires no assembly or wiring at the polling station. Self diagnostic error messages are displayed in plain everyday language to support uncomplicated trouble-shooting.

Complete Accessibility Features

The Edge easily accommodates wheelchair access and the screen can be adjusted for people of differing heights. To ensure privacy for all voters, the Edge offers a specially developed enhancement that permits people who are visually impaired and those voters with reading disabilities to vote without polling staff assistance. This is accomplished by means of an audio attachment that assists the voter through the voting process in the chosen language. The voter listens to spoken prompts, and then marks the ballot by pressing the appropriate key on a tethered keypad. The unit has been designed, developed and tested in conjunction with several disability advocacy groups to ensure it fulfils the individual needs of a wide range of groups.

AVC Edge

For a screen demonstration, visit Sequoia Voting Systems AVC Edge multi-language online demo center at: www.sequoiavote.com

Dependable Security

The Edge's proprietary firmware operating in each standalone voting unit is on a closed system. To support an audit trail, it redundantly stores an unalterable and easily printed electronic record of all cast votes, both within the unit and on a removable cartridge for use in the tabulation of results.

Guaranteed Voter Privacy

Built-in side panels shield the ballot from other voters, assuring total voter privacy. Internally, the Edge electronically randomizes voter records so that it is impossible to trace a specific voter's selections.

Simplicity of Voting

The simple touch screen interface is intuitive, with easy-to-read prompts that guide the voter through each step of the voting process.

Reliable Automation

The Edge performs mandatory pre-election logic and accuracy tests for election verification and public oversight. This process is designed to assure the integrity and security of the system and also helps to build confidence and trust in the process. The Edge's background and power up diagnostics provide continuous verification of system integrity. The use of smart card technology ensures that the correct ballots are shown to the voter. The AVC Edge will not allow voters to over-vote a ballot, thereby reducing the number of unintentionally spoiled ballots.

Proven Design and Engineering

The Edge uses highly dependable solid-state memory for storing ballot and vote information. It has also been designed for ease of data transfer to and from the central set up and tabulation systems. It specifically avoids the use of mechanical disk drives and therefore stands up to rigorous field conditions such as temperature extremes, shock, vibration and long storage times. A standard internal back-up battery recharges whenever the unit is plugged in to provide up to two hours of backup power. In addition, there are optional batteries capable of powering multiple units to extend the length of time the units can run without an external power source.

Choose Experience You Can Depend On

As the only election industry solutions provider with over a quarter of a century of DRE experience, Sequoia Voting Systems has earned a reputation for reliability and credibility. Moreover, Sequoia translates its experience into leadership and innovation for product design, development, implementation, and outstanding support of jurisdictions as they make their difficult HAVA decisions. By offering election officials the best in e-voting solutions, designed to integrate seamlessly with both third-party and Sequoia's own election managementsoftware and e-counting solutions, Sequoia Voting Systems offers the entire election process the clear choice for security, integrity and trust. Sequoia Voting Sysytems: Proven and reliable election solutions for the 21st century.

Electronic Voting Solutions