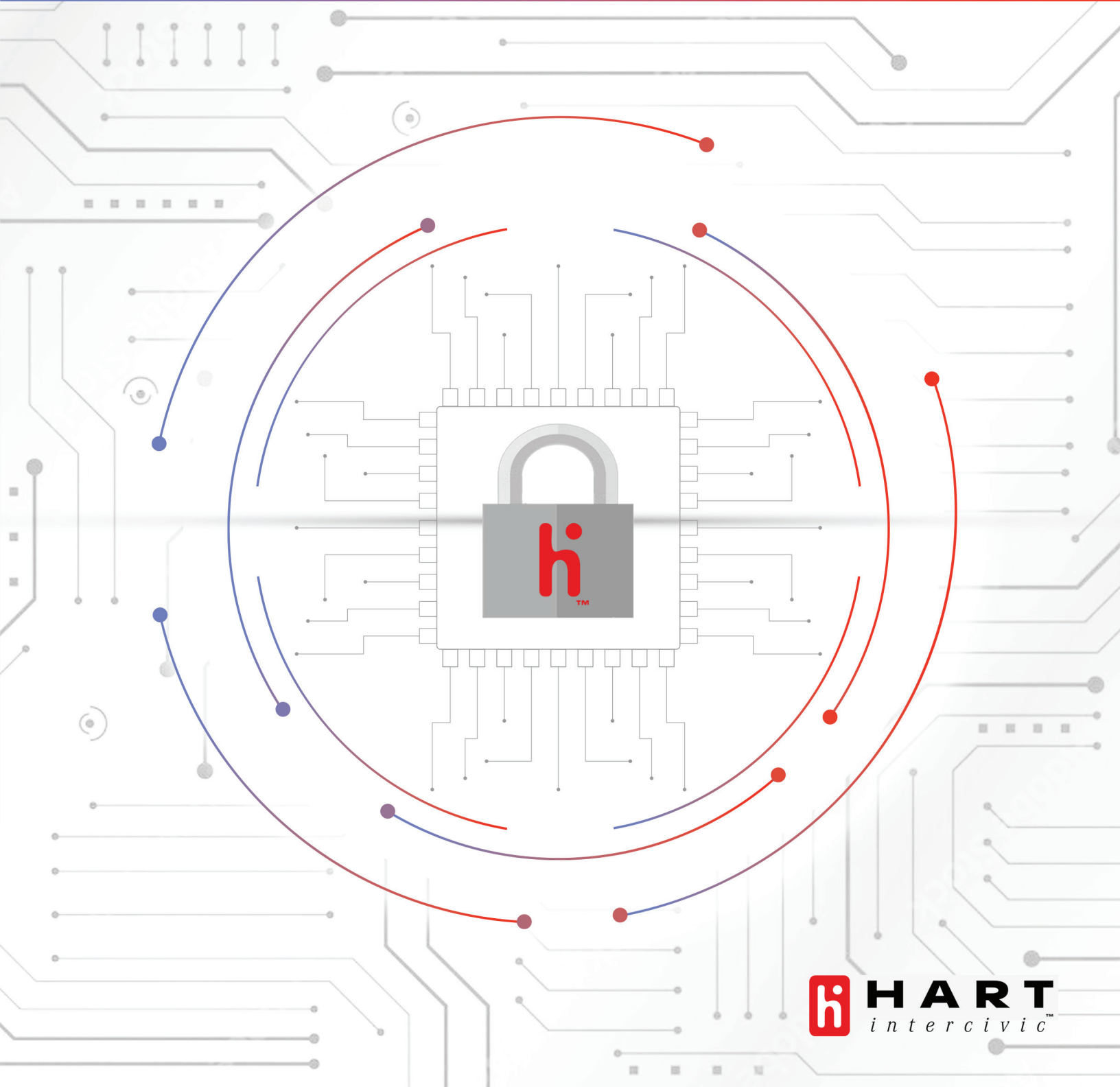




Defense in Depth

Security is More Than a Feature Set





Election Security Starts with Hart.

Our dynamic approach to security is a multi-layered, **“Defense in Depth”** approach. It is core to security decisions and action at every level of the company.

*“Hart focuses on every aspect of security,
so our customers don’t have to.”*

—Julie Mathis, President and CEO Hart InterCivic

Connect with Us.

A Leader in Election Security.

We hold ourselves to a very high standard and never rest in our pursuit of the best security options in a changing and challenging landscape. With election process and laws shifting in real time, security remains our priority.

Hart's solid reputation as a secure, trustworthy company comes from working side-by-side with election officials for more than 110 years.

Our customers have confidence in our people, our election solutions, and our services, before, during and after elections.

“For our customers, we relentlessly pursue the most secure processes and technologies in the industry.”

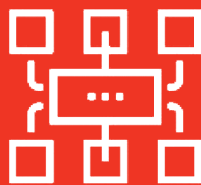
—Jim Canter, CTO Hart InterCivic

Defense In Depth

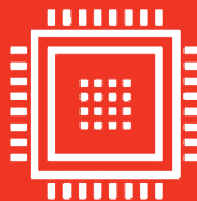
Our team understands that security is more than a feature set. For Hart, this has translated into a unique “Defense in Depth” approach. This dynamic approach to security is evident in every aspect of the company, from personnel to operational processes, technology, manufacturing & supply chain, our relationships with industry leaders and our customers. Our teams continuously review tactics and protocols in all of these areas to guard against security threats that evolve over time.



PEOPLE



PROCESSES



TECHNOLOGY



RELATIONSHIPS

Connect with Us.

Security Starts with People

True election security demands that people are a part of the equation. Election officials, staff, poll workers, and yes, even the employees of a voting system manufacturer are critical to ensuring our election infrastructure remains safe.

Every member of Hart's staff must initially pass a rigorous background check before joining our team, in addition to a reoccurring background check every few years. Annually, all employees are required to complete a thorough cybersecurity awareness training to promote secure cyber practices and to protect our company and our data. In addition, Hart has taken on leadership roles with the Dept. of Homeland Security (DHS) and other national election security organizations to promote best practices, conduct round-tables, and crisis planning exercises across the industry that improve the integrity of our national election system.



Comprehensive
Background Checks



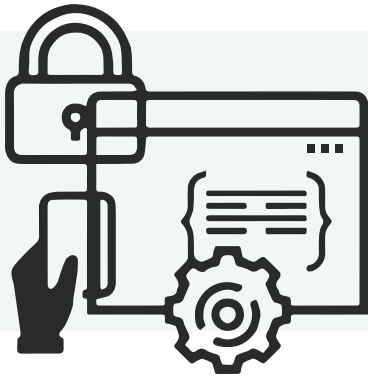
Cybersecurity Training
through CIFSA



Ongoing Participation in DHS
Election Security Roundtables



Comprehensive Crisis
Response Planning



SECURE

Stringent daily operational processes are integral to our security. Every process is consistently reviewed for security and effectiveness including:

Facilities Our physical premises are locked down with secure entry ways inside and outside with security cameras to view all activity. Employees only have access to the parts of the building that are required to do their job functions.

IT Infrastructure Our IT team manages a state-of-the-art IT infrastructure that ensures our network and data are securely reinforced.

- **IT Network** – We utilize the most current switches, routers, and next generation firewalls to monitor traffic and application usage.
- **Cybersecurity** – We partner with cyber security experts who monitor and analyze our network traffic to prevent malicious activity.
- **User Permissions** – Every employee is required to use role-based authentication. This means they only have access to the information they need to do their role or function.
- **Network Access** – Our network can only be accessed through two-factor authentication.

Secure Development Process The Hart product development team uses the Security Development Lifecycle (SDL) which consists of a set of practices that support security assurance and compliance requirements. The SDL helps Hart build more secure products by reducing the number and severity of vulnerabilities, while reducing development cost.

Secure Manufacturing and Supply Chain Knowing every source, every partner, and how the integrated pieces come together provides security at each step of the product lifecycle.

PARTNER CERTIFICATIONS



Connect with Us.

OPERATIONS

Proprietary Supply Chain We actively monitor and log all chains of custody. Hart has manufactured Verity in the U.S. since its inception. We have immediate and direct oversight of every aspect of Verity's design and build process because our corporate offices are only one mile from our manufacturing facility.

Hart's proprietary supply chain is secure because:

- We provide end-to-end management ensuring design continuity and integrity.
- Every step in the process is monitored, verified and validated.
- Once a voting system leaves our secured warehouse, we implement a customer acceptance procedure to ensure a secure delivery.

Our Commitment to Rigorous Testing Hart utilizes a "Progressive Build Strategy" throughout the manufacturing process. This strategy safeguards security by inspecting, testing, and verifying every component source and functionality within each stage of assembly prior to releasing to the next production stage. A few examples include:

- All programmable parts are erased and re-built from scratch in Austin with the EAC approved configurations.
- An independent out-of-box audit is performed to assure final configurations are correct.
- As part of the final product testing, a mock election is performed on every system before it leaves the plant to ensure accuracy.
- As a final step, our products are independently tested and certified at the federal and state levels.

PARTNER CERTIFICATIONS



Where Verity Stands Apart



VERITY



THE OTHER
VENDORS

Our Verity products are the most secure systems available today, and Hart's approach means it is singularly positioned to meet and overcome ongoing and future security challenges.

From a security standpoint, Verity sets the highest bar throughout the elections industry. Not only does Verity meet the current security requirements, but our development team made sure Verity exceeded them. Hart was engaged throughout the development of the industry standards, and we aligned Verity to those requirements. The rest of the industry is finally catching up with Hart. In fact, many of the new standards included in VVSG 2.0 are things Verity is already designed to do.

Connect with Us.



Secure Hardware

Verity voting devices include a variety of physical access controls and safeguards to ensure they are protected from intrusion. Any unauthorized access is easily identifiable.

Our secure hardware allows flexible user-access security through customizable role-based definitions, password complexity requirements, and admin-controlled security policies.

Additional secure features include:

- Locks and temper-evident seals prevent access to hardware and the CFAST firmware.
- Locks, covers and tamper resistant seals are used to protect access points to workstations, voting devices and ballot boxes.
- The Verity voting system does not have wireless capability, it is not connected to the internet or any other election technology like: Voter Registration (VR) systems, ePollBooks, Election Night Reporting (ENR), or County networks.
- USB ports for peripheral devices are non-standard in physical shape (that is, they are “keyed”) and accommodate only Hart-proprietary cables and devices. This design prevents insertion of unauthorized, standard, commercial-off-the-shelf cables or devices into Verity voting machines.
- Verity Scan is securely attached to the top of the ballot box with an internal locking mechanism that cannot be accessed while the ballot box is closed, locked, and sealed.
- Ballot box hinges and doors include overlapping sections that ensure that nothing can be inserted into the ballot box through a hinge or seam.



Secure Software

Our software is protected by multiple layers of encryption, defensive coding that detects potential security risks, role-based access controls, multi-factor authentication, trust listing and many other secure software features including, but not limited to:

- **Audit logs:** Every action is recorded. Election officials can access a detailed record of all activities.
- **Multiple redundant data storage:** Audit logs and cast vote records ensure no loss of data and easy detection of any attempts to manipulate data.
- **Role-based access controls:** Election staff only has access to the parts of the system they need to do their job.
- **Multi-factor authentication:** Prevents unauthorized users from accessing the system. Identities are confirmed and approved from a second source.
- **Data security and transparency:** Digital Signatures validate data integrity and ensure no changes to data during transport, all while the data remains transparent to the user, like an ATM.
- **Trust listing:** Much stronger than traditional anti-virus protection, trust listing only allows trusted programs to run. Any program or code not included in the trust list are automatically rejected.
- **Custom, embedded operating system:** All features not related to election management have been eliminated, further reducing the attack surface for malicious threats.
- **Kiosk mode:** Every Verity workstation and every Verity device is in kiosk mode (like an ATM) and can only be used for Verity purposes.
- **Encrypted hard drives:** All workstation hard drives are encrypted, as well as protected by a lock and tamper- evident seal.



Secure, Transparent Paper Trail

Hart's paper and hybrid systems provide the best-in-class paper ballot solutions because our Verity voting systems are truly voter verifiable, transparent, and easily auditable.

Hart's Verity voting systems support:

- Traditional hand-marked paper ballots.
- On-demand ballot printing takes the guess work out of ballot print quantities, and ensures each voter receives the correct ballot. This eliminates chain of custody concerns about extra ballots..
- ADA compliant ballot marking devices for accessible voting.
- Separate ballot scanning and printing to ensure ballots are not altered after voter's review.

Unlike competing systems, Verity ensures full transparency by never embedding voter selections in unverifiable barcodes, regardless of which configuration you choose. This security feature prevents malicious attackers from changing the barcode content while the words on the page remain the same.

With Verity, voters feel confident that they can print, read, and verify their personal selections before feeding their ballot into Verity Scan which securely captures those exact same selections that were voter-verified only moments before.



No voter choices
in barcodes



Bilingual ballot
summary



Full size ballot for a better
voter experience
and cost savings



100% Voter
Verifiable

True Election Security is Dependent on More.

Hart is a leading advocate for innovation and security within the election technology industry. Hart is a trusted resource for authentic and transparent election information to election officials, policymakers, and the voting public.

We leverage our knowledge from these relationships to benefit our customers by providing ongoing training, education and best practices that keep them well-informed with vital information concerning election administration and security.

Our National Security Partnerships

Members of Hart's executive leadership team are at the forefront in the nationwide conversation on election security, engaging and collaborating with government, industry partners and independent security experts. We stay on the cutting edge by collaborating with a broad community of stakeholders actively participating in sharing knowledge and best practices on election security technology and procedures.

Hart Leadership sits on national councils and organizations focused on election security such as:

- DHS' Election Infrastructure Sector Coordinating Council (EI-SCC)
- American Council for Election Technology (ACET)
- EI-ISAC (Election Infrastructure – Information Sharing & Analysis Center)
- IT-ISAC (Information Technology – ISAC)

Hart is an early adopter of industry-wide security initiatives and best practices

- Coordinated vulnerability disclosure
- Penetration testing
- Disaster preparedness exercises
- Mandatory annual cybersecurity awareness training for staff

Connect with Us.

We're in Good Company

Organizations and agencies we serve with, advise, and engage include:

HART'S NATIONAL SECURITY PARTNERSHIPS



NASS
National Association
of Secretaries of State



NATIONAL ASSOCIATION of
STATE ELECTION DIRECTORS



CISA
CYBER+INFRASTRUCTURE





Customer Support and Best Practices

Humans are an integral part of any security effort. At Hart, we know the importance of ensuring elections staff have the tools and training they need to make critical security decisions.

We believe it is our duty to help keep our customers up to date on the latest information and best practices in election security.

Through our close partnerships with federal intelligence agencies and other national election security organizations, we receive vital information concerning election administration and security from the source.

To keep our customers well informed, we leverage that knowledge to share timely information and/or best practices with our customers through webinars, newsletters, white papers, and user groups.



Why Partner with Hart?

Hart's solid reputation as a secure, trustworthy company comes from working side-by-side with election professionals for more than 110 years.

We are known for long, trusted relationships with our election partners and have the highest customer satisfaction ratings of any election solutions provider in the country. We listen to our customers, act on their needs, and remain vigilant to modern and developing threats.

Hart's best-in-class security contributes to voter confidence, reinforcing the reliability of the voting system, and the accuracy of election results.

You can have confidence in us so your voters can have confidence in you.



Our Security Promise

“For our customers, we relentlessly pursue the most secure processes and technologies in the industry. We will continue our ongoing partnership with election leaders on the ever-changing best practices for elections security.”



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