



a silicon valley digital public works project
of the people, by the people, for the people



millions of philanthropic dollars have been spent studying how to improve elections...

- end long lines;
- reduce recounts;
- minimize contests; and
- increase confidence in the most fundamental right of democracy.



but a key issue is increasing
trust in the technology of
voting...*worldwide!*





VOTING INFRASTRUCTURE IMPENDING CRISIS



FOR THE STATE
AND THE PEOPLE

A Presentation of the
Open Source Election Technology Institute

8 issues driving this crisis...

1. inherent design flaw in reliance on commodity PC hardware due to a...
2. lack of security-centric engineering principles exacerbated by...
3. incapable legacy vendors lacking core technology design competence resulting in...
4. obsolete systems requiring cyber-security triage in a digital arms race dependent on...
5. contracts to guarantee spare parts in an insecure supply chain aggravating...
6. partisan fights for funding in light of critical infrastructure designation leading to...
7. slow progress on design guideline updates further driving a...
8. complete lack of commercial incentive for industry to solve on it's own.



focusing on the U.S. for the moment...

~36

43 STATES

NEED TO FIGURE IT OUT BY 2022

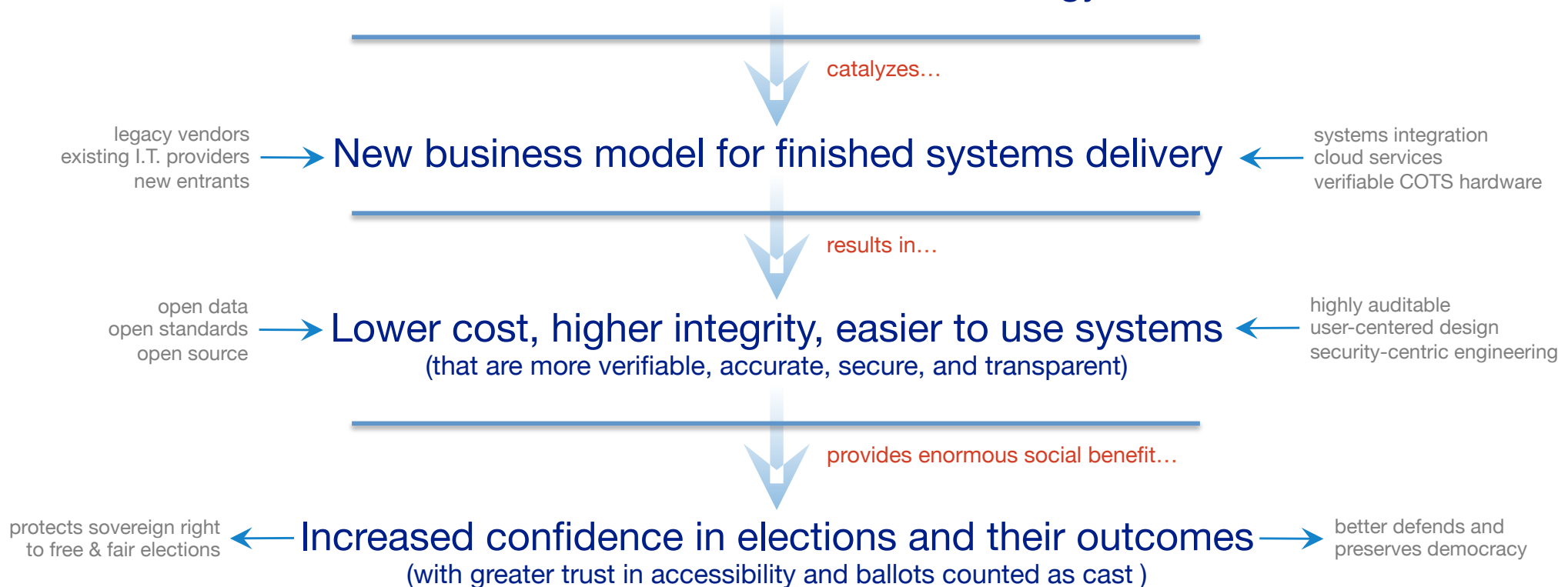


a radical departure; a new arrival...

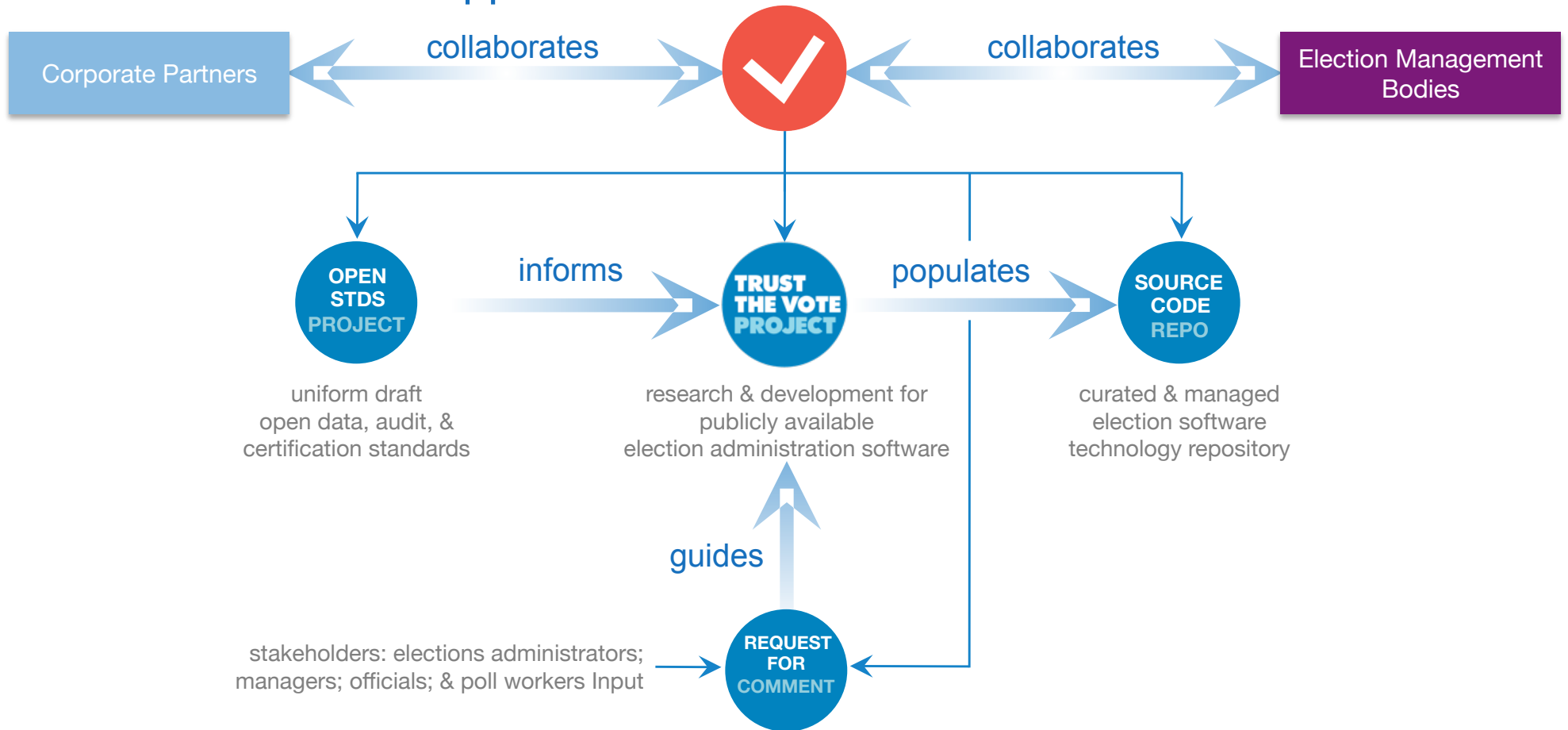


with a global solution...

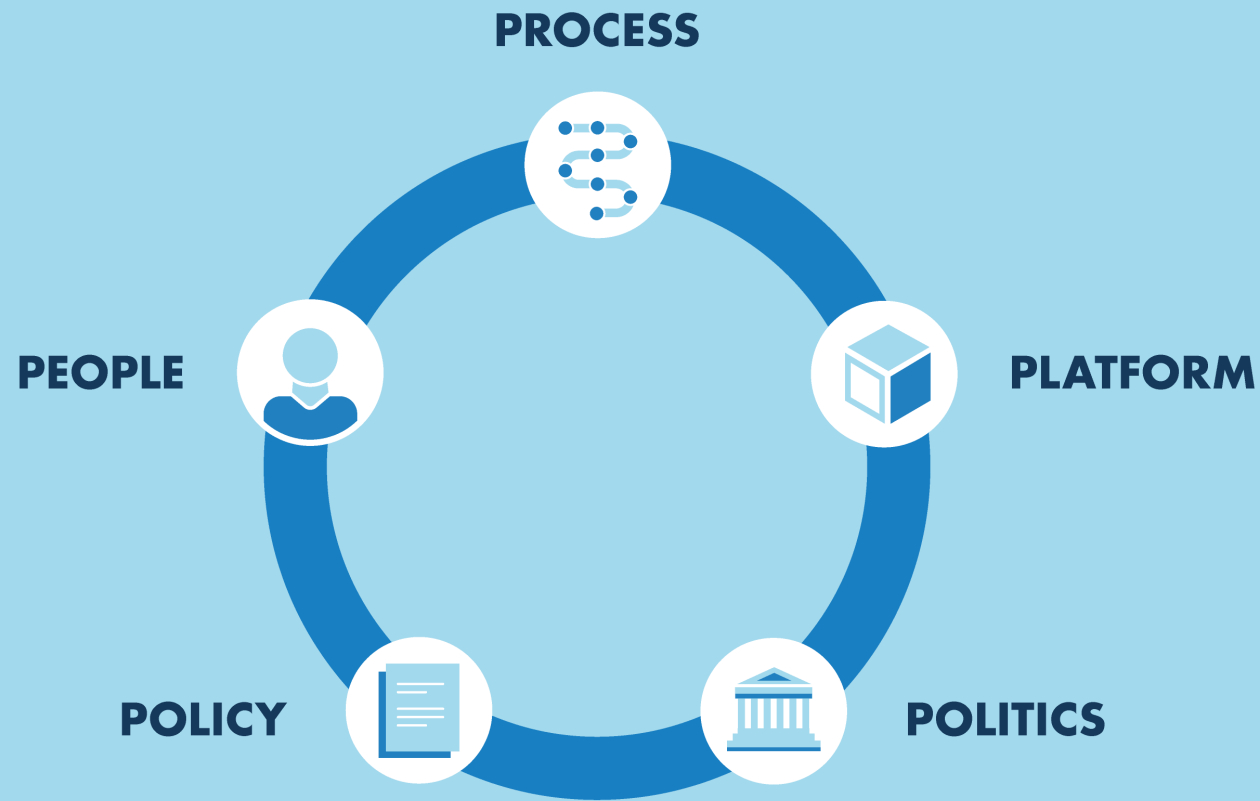
Public Election Software Technology



the OSET Institute's approach...



the democracy ecosystem we exist in...



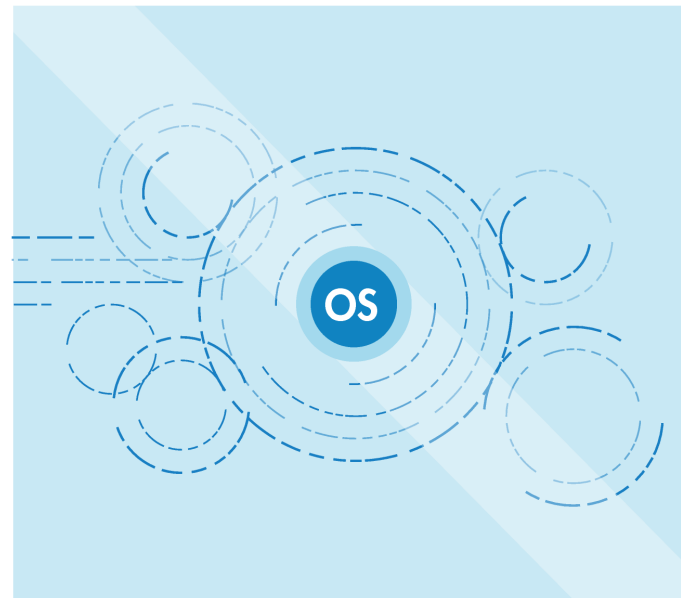
and the element we're focused on...



PLATFORM



a (very) loose “operating system” metaphor...



ElectOS™

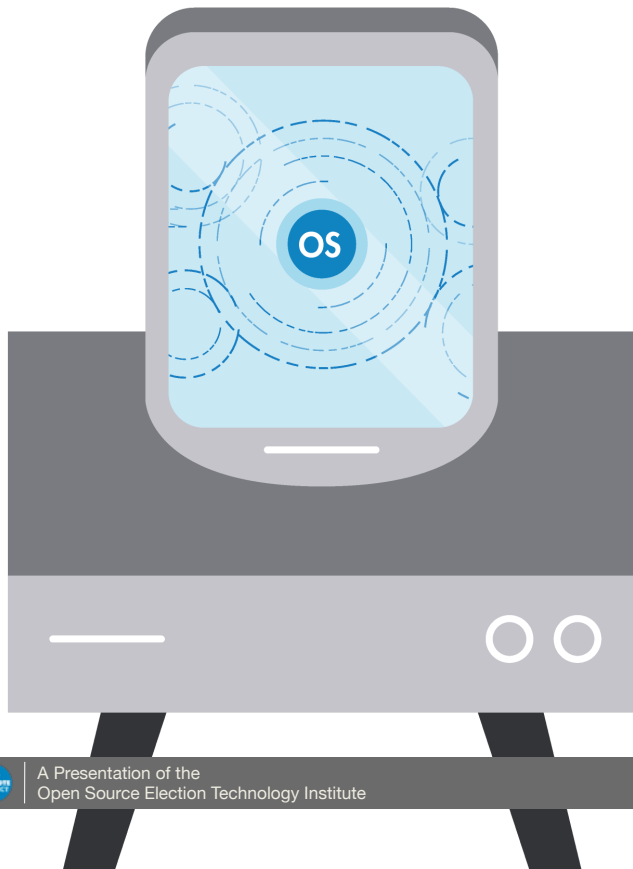


...to deliver on a “VAST” mandate



ElectOS™ is for voting machines; sort of like android® for mobile devices

ElectOS™



*(But far more
secure!)*



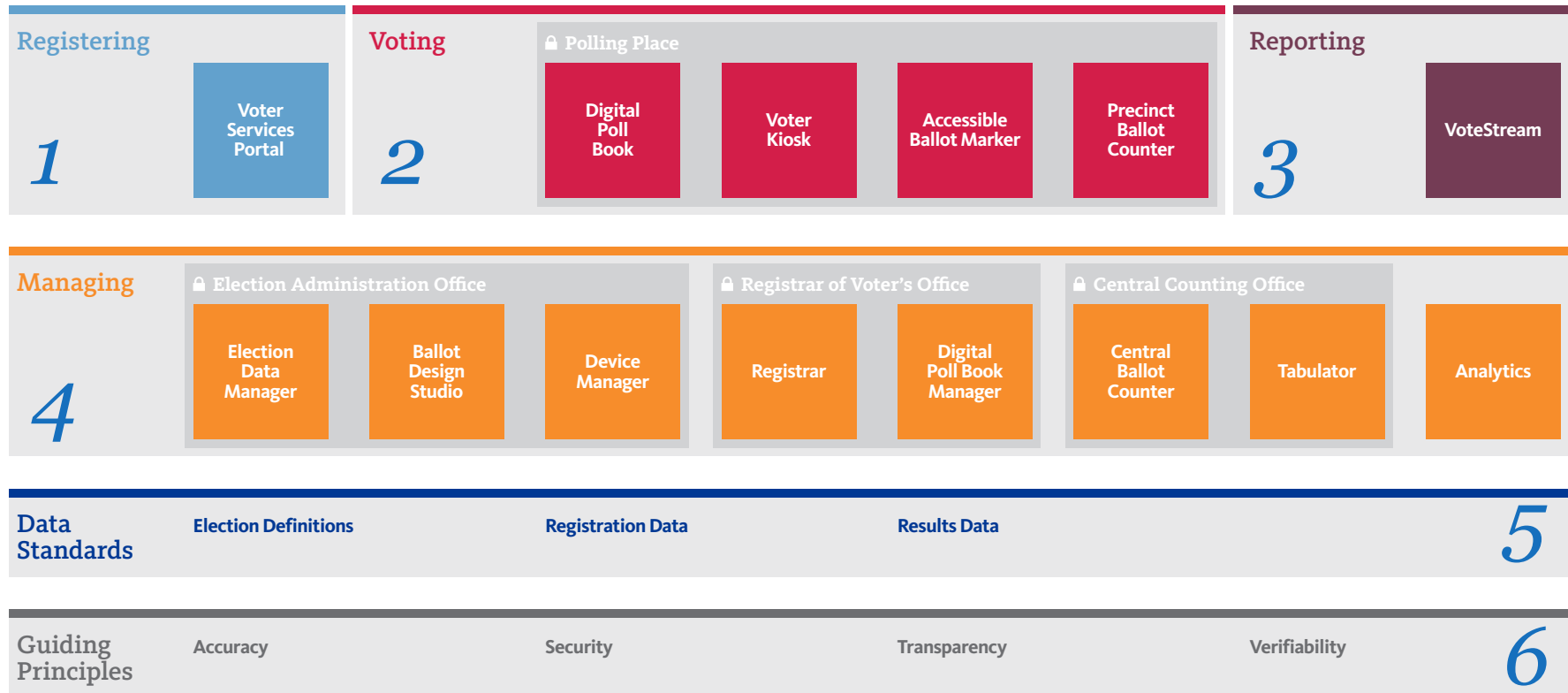
android™



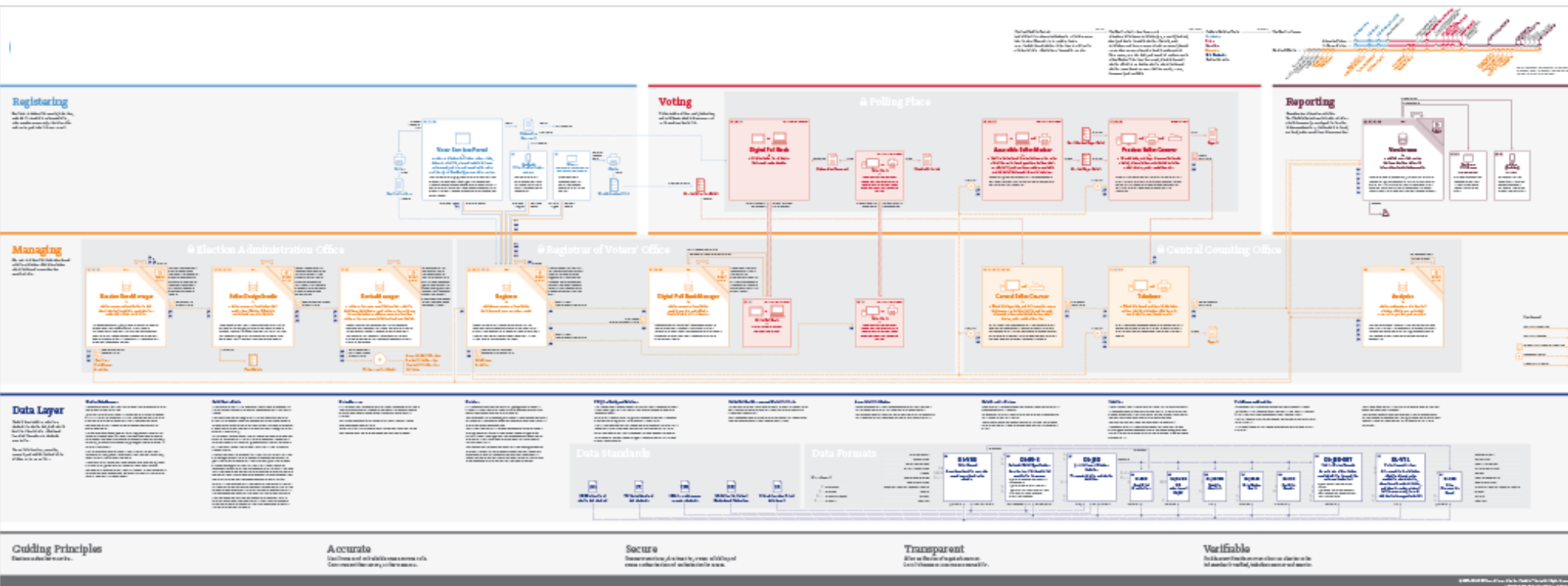
TRUST
THE VOTE
THE ELECTION

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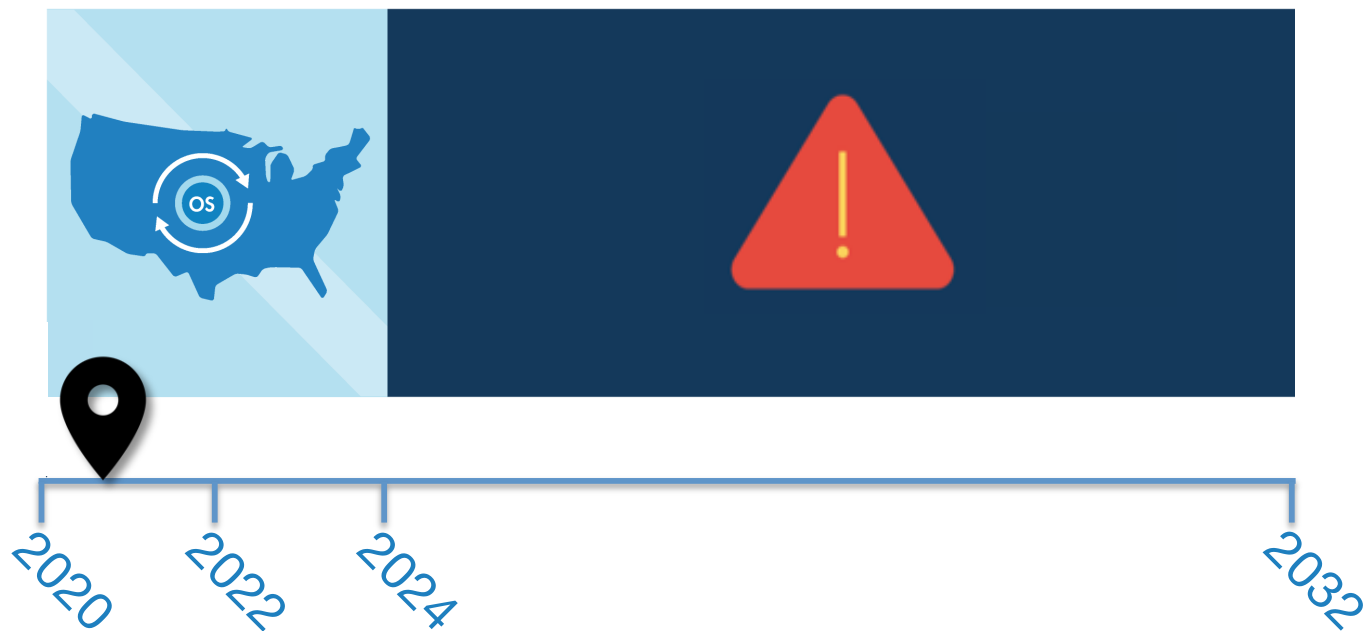
6 main building blocks comprise ElectOS™ ...



ElectOS™ represents 10-years of patent-pending election official reviewed system architecture & engineering



in the U.S. we have a shrinking window to finish...
...or another decade of status quo!



our strategy is delivery because...

CODE CAUSES CHANGE





REGISTERED!



we've built a beachhead of software



we're helping drive open standards



with election officials' encouragement



THE OPEN SOURCE ELECTION TECHNOLOGY INSTITUTE

A Presentation of the
Open Source Election Technology Institute

to increase integrity & lower cost...



black box

1/3 COST



glass box

CRITICAL DEMOCRACY INFRASTRUCTURE



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Open Source Election Technology Institute

for the U.S., creating enormous social benefit
with massively global scalable impact...

\$3 BILLION



Status Quo

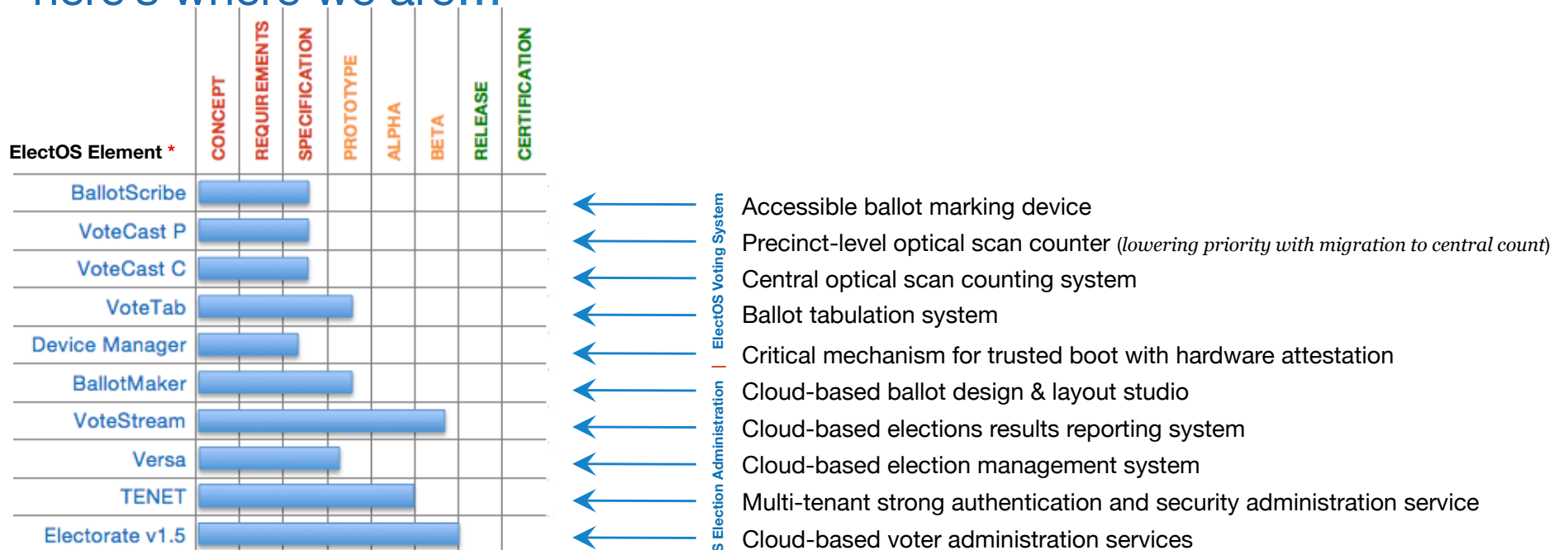
\$980 MILLION



ElectOS™



here's where we are...



* Notes

1. Elements incorporate their contributions to the data layer and API services.
2. Elements embody RFC (*Request For Comment*) work.
3. Electorate v.1 embodies the Voter Services Portal ("VSP")
4. Electorate v.2 will embody the Election Management System ("EMS")
5. Electorate v.3 will embody the "Registrar" system respectively, as labeled in the Architecture
6. Electorate v.4 will embody a new Voter Database ("VRDB").
7. This ETF Progress chart does *not* reflect work on any of: repository and configuration management, open data standards working group efforts, or documentation.

ElectOS Voting System
ElectOS Election Administration



here's how it makes impact...



ElectOS™ →

builds & publicly releases...

Publicly Available Election Software Technology



builds commercial systems & solutions on...



Systems Integrators and/or Managed Services Providers



available to...



delivers to...

Sample Hardware Providers



Sample GovCloud Services Providers



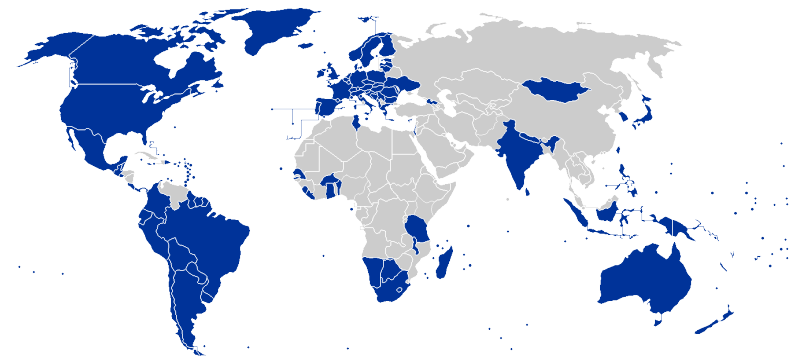
Finished Voting Systems



GovCloud Election Administration Services



Global Democracies in Need of Electoral Technology





OSET
INSTITUTE

discussion



OSET
THE VOTE
PROJECT

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osetfoundation.org



trustthevote.org

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