Conferência 23 de Outubro Espaço EGOV - PAV. 1 Inforpozoo: Esputelepent

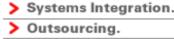
Voting Solutions



Luís Deveza

Administrador – Coordenação e Marketing
Unisys Portugal

Director de Marketing
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- > Infrastructure.
- > Server Technology.
- Consulting.

UNISYS

Imagine it • Done •

Unisys & Partners International Elections

- Panama Voter registration and identification system
- Costa Rica Voter registration and identification system
- Dominican Republic Voter registration and ID card system
- Italy web election results reporting
- Malaysia multi-purpose ID card for VR, drivers license, etc.
- Brazil national electronic voting system
- South Africa national ID/voter registration system
- Switzerland e-Voting system
- United Kingdom Multi-channel voting pilot

Option

- In Person/ Assisted
- Remote
- Mix
- > Place
 - Across the world

What is e-Voting?

Not just the supply of voting terminals to polling stations. e-Voting is:

The provision of a <u>complete</u> e-enabled service for the voter *and* the election administrator regardless of the voter's location or the type of election.



Gartner Projections USA

Projections for Future Voting Methods Voting Technology

		roung roomology				
Paper	12%	10%	7%	4 %		
Mechanical Lever	15%	10%	5%	0%		
Punch Card	18%	12%	5%	0%		
Optical Scan	40%	50%	55%	55%		
Electronic Voting	9%	14%	17%	15%		
Internet Voting	-	2%	10%	25%		
	2000	2004	2008	2012		

Based on a survey of senior election officials in 40 of the largest voting jurisdictions in the United States, research firm Gartner projects that paper-ballot, mechanical-lever and punch-card systems will be phased out in their regions by 2012.

Source: Gartner, 2001

Conclusion

Multi-channel approach



What does e-Voting do?

- > Increased efficiencies
- Delivery of e-Wider participation
- > Assisting to stem decline in voter

May 03 UK Elections stated benefits

- Increased choice of channels » positive effect on level of participation
- Effective voter support and communication
- Excellent service to disabled voters (process easier)
- Quicker counting

May 03 UK Pilot – proved

- Accuracy
- Transparency
- Ease of use for
 - Election Manager / Voter
- Security meets/exceeds gov criterias

Multi-Channel Elections UK May 03







Robert Dix

45 Summerhill Road, South Shields
The Labour Party Candidate

GRAINGER
Dorothy Jane Grainge
1 Brandling Court, South Shiel
Liberal Democrat

NOLAN
Lawrence Nola
54 Meldon Avenue, South
Progressive

ING - YOU MAY BE PRO
NCE UNDER THE LAY

* E-Polling

Assisted Voting (In Person)

* E-Voting

Remote Voting



Pleidlais dros y we Internet Voting



Pleidlais dros y ffôn Voting via telephone



Pleidlais trwy neges destun SMS Text message voting



Pleidlais trwy deledu digidol Voting via Digital TV



Pleidlais mewn Ciosg Cyffwrdd Sgrîn Touch Screen Kiosk voting



e-Gyfrif e-Counting



Pleidlais trwy'r post Postal Ballots



Darpariaeth ar gyfer yr anabl Voting solutions for the disabled



Cofrestru Pleidleiswyr Voter Registration

MULII-CHANNEL

Voter Interface – at the Polls

- Voter Interface designed regardless of host solution
- Considerations given special cases
- Not everyone can use a computer
- Voter Outreach

Public Access Kiosks

- New or Existing kiosks
- On-line to central voting application
- Access options
- Allows voter to access election information a other e-enabled services
- Investment in kiosks can be offset by use for other purposes







Voter Interface –Remote voting

- > Remote interface should be the same as the polls
- Remote voting by special groups
- Government now has a choice:
 - Internet
 - Telephone
 - Post
- Remote registered voters linked to same database



Internet voting

- Verification of the user
- Anonymous cast ballot separated from verification process
- Automatic update of the Register
- > Help Line by email or free phone



Voting via touch tone telephone

- > Touch tone dual language
- > Assuring voter is who they say they are
- Voter Education
- > Remote Assistance/ Help Desk



SMS Text Message

- > Youth engagement
- Lifestyle channel
- > Limited interaction



Postal Voting

- > Clear and Unambiguous
- > Ballot Returns and Administration
- > Security of Ballots
- **>** Count Options
- > Failsafe



For Disabled People Touch Screens

Voting Options for the Disabled – ES&S and Unisys understand that every citizen has the right to vote unassisted. All touch screen voting machines are accessible to people with wheelchairs as well as being audio enabled to allow the blind or poorly sighted voter to vote an audio ballot via headphones attached to the voting device. Braille is incorporated in the navigation buttons allowing the same privacy to every voter. Ballots are also available in large size fonts.

Disabled Options

- Accessible touch-screen voting machines (wheelchairs)
- Audio enabled (blind or poorly sighted) with headphones
- Braille availability
- Large size fonts

E-Voting at Polling Stations

e-Voting at Polling Stations – Running elections from designated polling stations remains the most common method but this can now be implemented and administered more efficiently. Depending upon the Council's requirements, voters can use touch-screen electronic voting kiosks or vote using machine-readable ballot papers. By providing some of the traditional services on-line, such as the voter register, voters can now decide where they want to vote. Ballots are counted automatically and vote totals are transmitted electronically to the count centre when the polls close - thereby ensuring a swift and accurate accumulation of results.

Polling Stations

- Most common method
- Touch-screen kiosks
- Machine-readable ballot papers

Services On-line

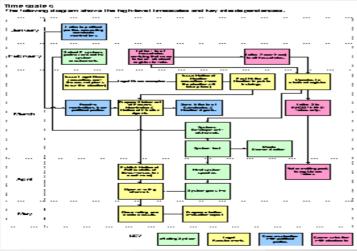
- Voter register choosing where to vote
- Ballot automatically counted
- Vote totals transmitted electronically
- Swift and accurate results

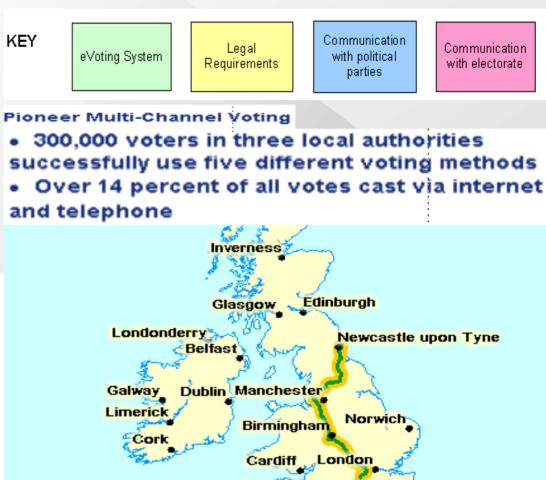
Project Delivery Challenges

- > Time was catalyst
- Decision management
- > Rehearsals
- > Technology Acceptance at all levels

UK Process May 03

- From January to May 2003
- January letter to parties requesting candidate nominations
- April open e-voting chan's
- May close voting / results / evaluation report





Exeter

(C) Automobile Association, Powered by ESRI (UK)



Global Project Management

Unisys & Partners* project delivery and project management

- Responsible for:
 - Pollworker & election staff training
 - Systems integration
 - Data Hosting
 - Ballot preparation and proofing
 - Delivery of Voter Packs
 - Results delivery
 - Voter Outreach design
 - 24/7 Help desk throughout voting period



^{*} International & Local

Security

- > Voter Security
- > Systems Security
- **>** Count Security



Brazilian Elections Presidentials 2002

SAO PAULO, Brazil -- Last Sunday, October 6, approximately 115 million voters went to the polls for Brazil's first-ever fully automated election for president, state governors and federal and state legislators. Electronic voting machines were used at thousands of polling stations across the country, including 51,000 new units designed and built by Unisys for this year's elections.

In all, more than 406,000 electronic machines were used. The entire system was supported by nearly 9,000 workers whom Unisys hired and trained to provide technical support and voter assistance in the field and at Unisys new Managed Services Centre (MSC) in nearby Veleiros. The MSC is scheduled to officially open later this month.



Unisys electronic voting machine displays Brazilian candidate.



Another Reality

- Fully automated election
- In-Person / Polling Stations
- 115M voters
- 406K machines (Urna) used
- From São Paulo to Amazon

ELEIÇOES 2.002/1.998							
	2.002				1.998		
ELEITORADO	115.254.113			106.101.067			
	1° TUF	SMO	NO 2° TURNO		1° TURNO		
COMPAREC.	94.804.126		91.664.259		83.275.929		
ABSTENÇAO	20.449.987	17,74%	23.589.188	20,47%	22.773.983	21,47%	
BRANCOS	2.873.720	3,03%	1.727.760	1,88%	6.688.403	8.03%	
NULOS	6.976.107	7,36%	3.772.138	4,12%	8.886.895	10,67%	
SEÇOES	320.458		320.458				

Transparency, Speed, Ease of Use, Accuracy



Brazilian Elections Presidentials 2002







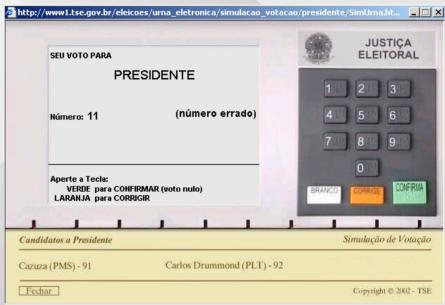
Brazilian Elections Presidentials 2002

> Simulation

Correct Vote



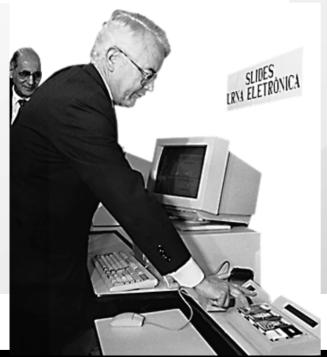
Wrong Vote

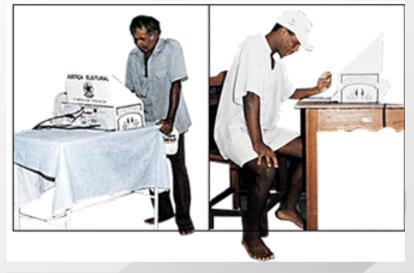


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Brazilian Elections History









Bem-vindo ao

TRIBUNAL SUPERIOR ELEITORAL

Praça dos Tribunais Superiores - Bloco C CEP: 70.096-900 Brasilia/DF (61) 316-3000

ELEIÇOES 2.002/1.998							
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