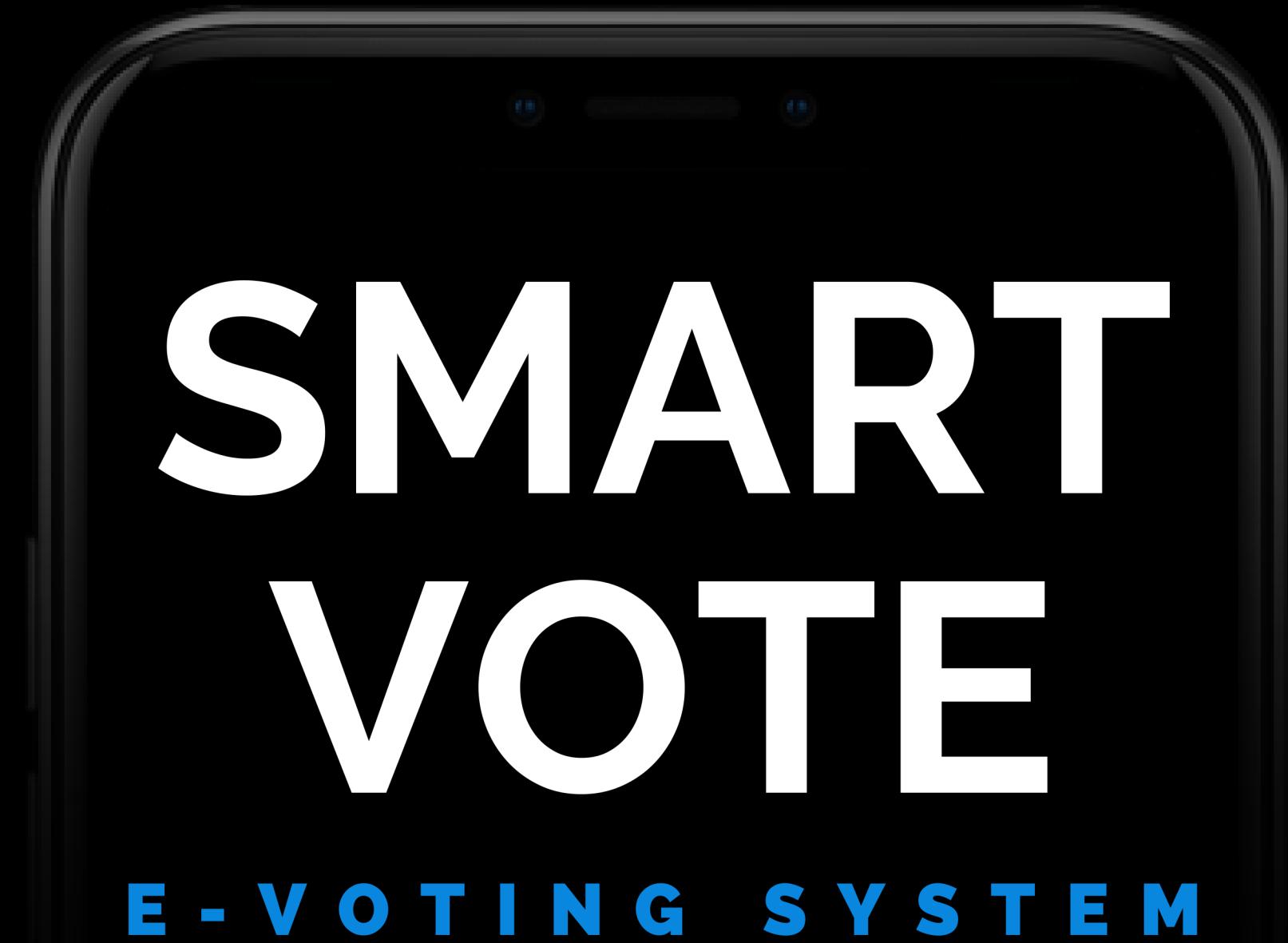


Presented by Jesco, Saifulla, Kevin, Eva & Alireza





ABOUT US.

Eva | M&T @TUM

Salan | M&T @TUM

Jesco | RCI @TUM

Alireza | MiM @TUM

Saifulla | IS @TUM



PROBLEMS.

Traditional electoral systems face many challenges that undermine the trust of citizens and the effectiveness of elections

Bureucracy

Long queues, bureaucratic procedures and the need for personal presence at polling stations scare away voters and make the process less convenient.

Low turnout

Physical turnout for elections is difficult for people with limited mobility and those who are abroad.

Falsification

The falsification of ballots and manipulation of election results undermine the trust of citizens.

Lack of transparency

The process of counting votes and verifying the results is often hidden from the public.



SOLUTIONS.

Our e-voting application using blockchain technologies solves these problems

Simplification

The automated registration system via e-passport and blockchain reduces bureaucratic barriers. Voters can register and vote online, avoiding queues and lengthy procedures

Security

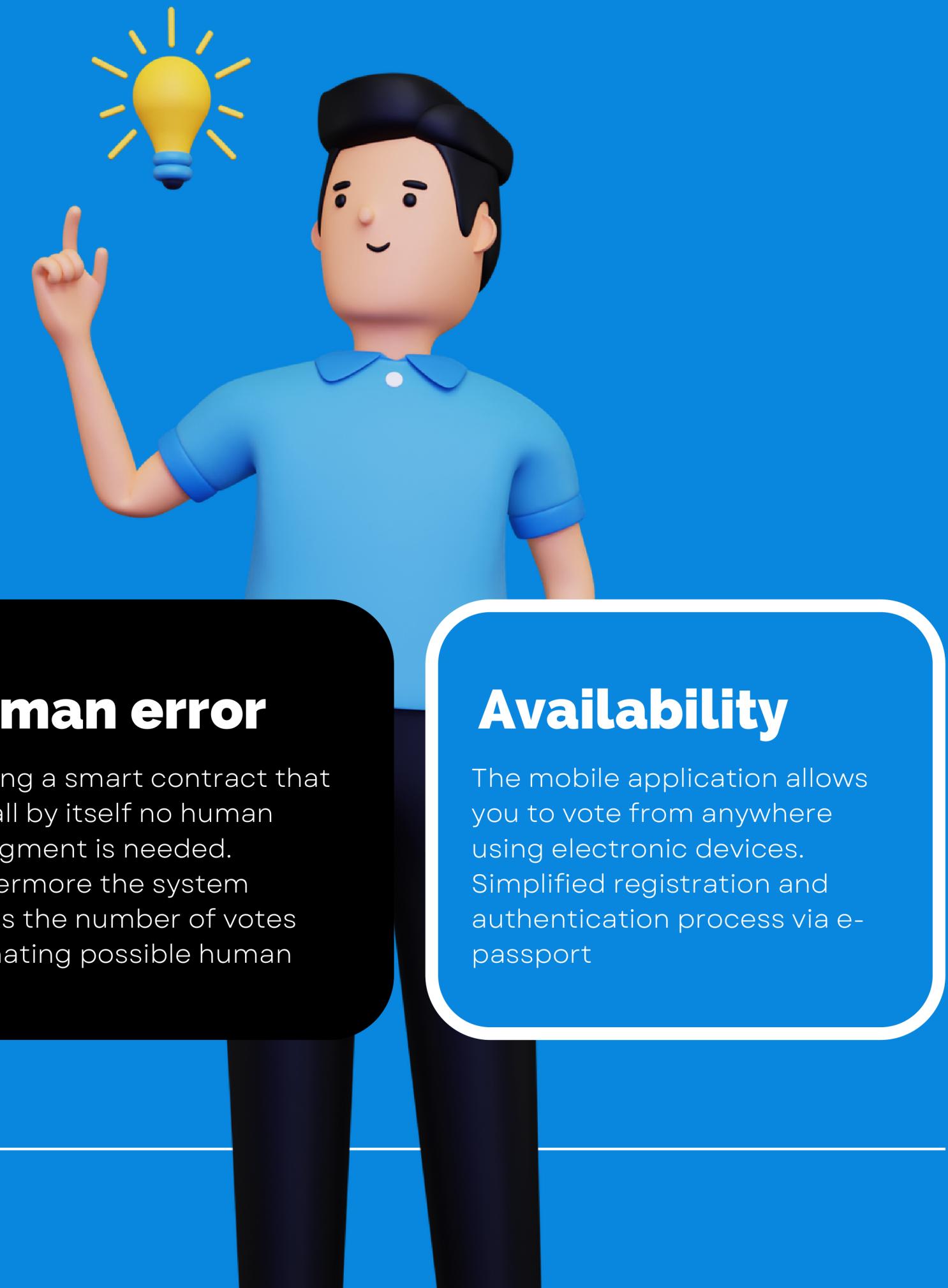
The use of zero-knowledge proofs and storage of voting history on a blockchain enables complete security of data

Human error

By using a smart contract that runs all by itself no human management is needed. Furthermore the system counts the number of votes eliminating possible human error

Availability

The mobile application allows you to vote from anywhere using electronic devices. Simplified registration and authentication process via e-passport



INFLUENCE.

The implementation of our application will have a significant impact on the electoral processes:

Increased voter turnout

The convenience of mobile voting will attract more citizens to participate in elections.

Building trust

The transparency and security provided by blockchain and NFT will strengthen trust in the electoral system.

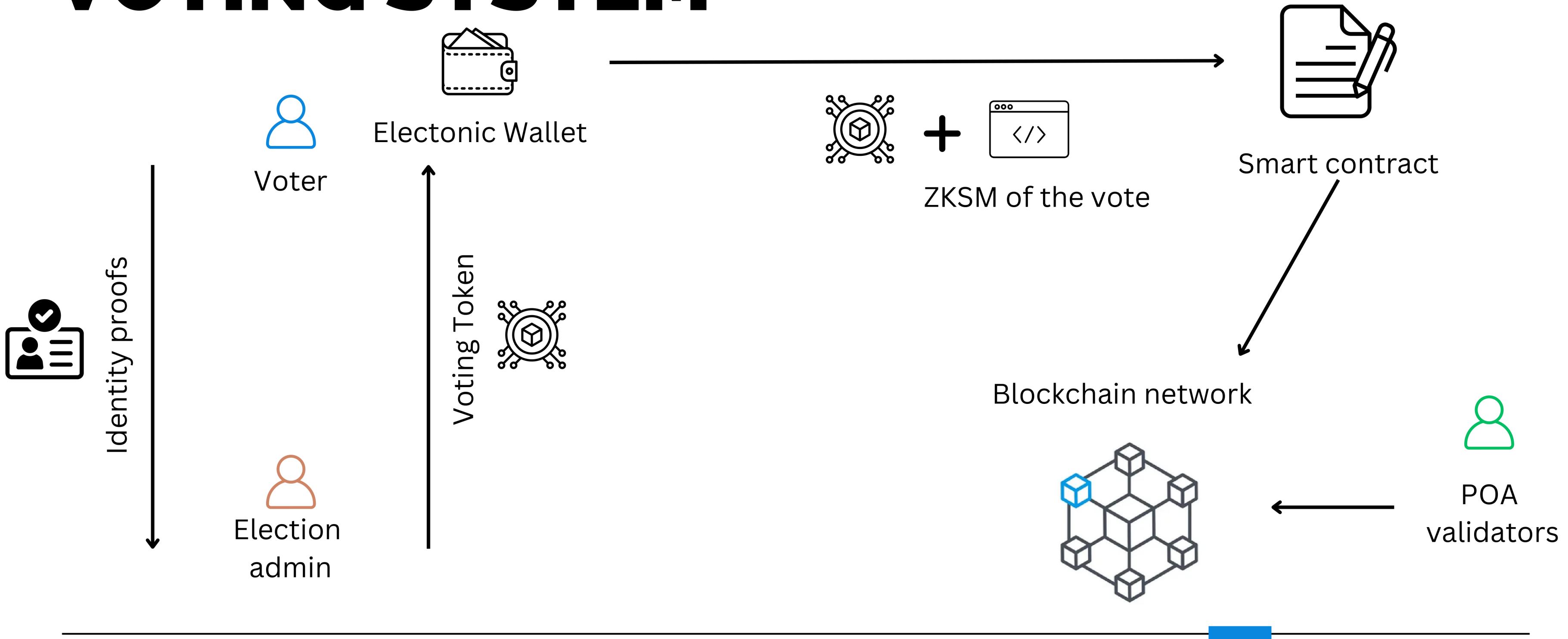
Cost reduction

Automation of the voting and vote counting process will reduce the cost of conducting elections.

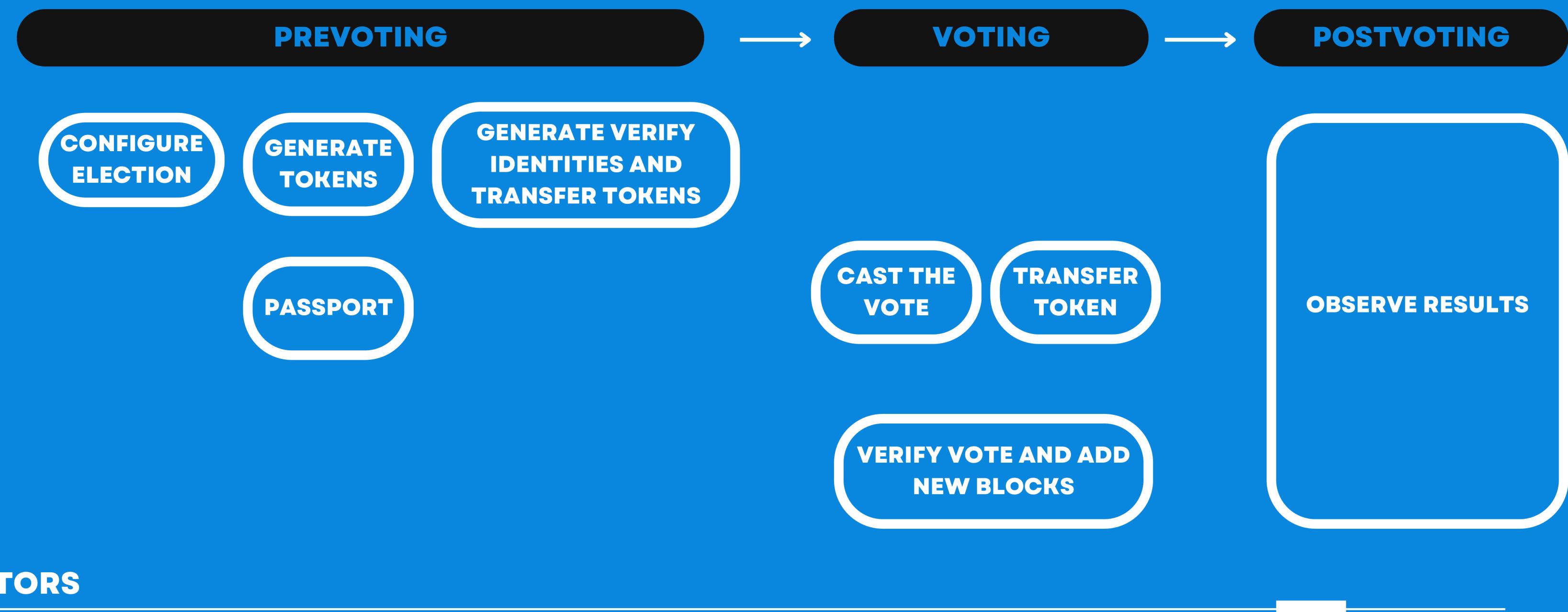
Improved convenience for voters

It is easier and faster to register and vote, which increases participation in elections.

BLOCKCHAIN-BASED VOTING SYSTEM



WORKFLOW





VOTE SMART!