

DeepFaked and DeepSixed

AI Election Security and
the Future of Democracy

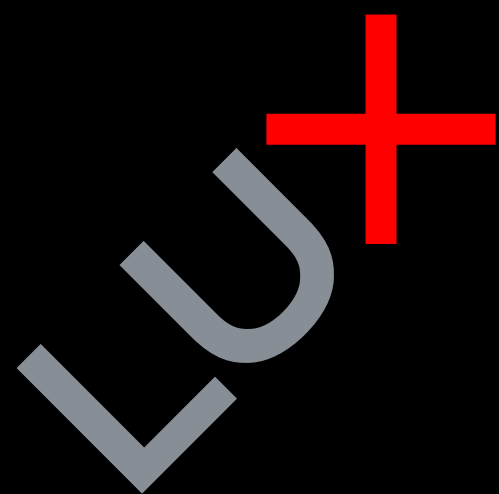


About **Lux Capital**

Lux Capital is a New York- and Silicon Valley-based venture capital firm investing in companies on the edge of scientific and technological breakthroughs.

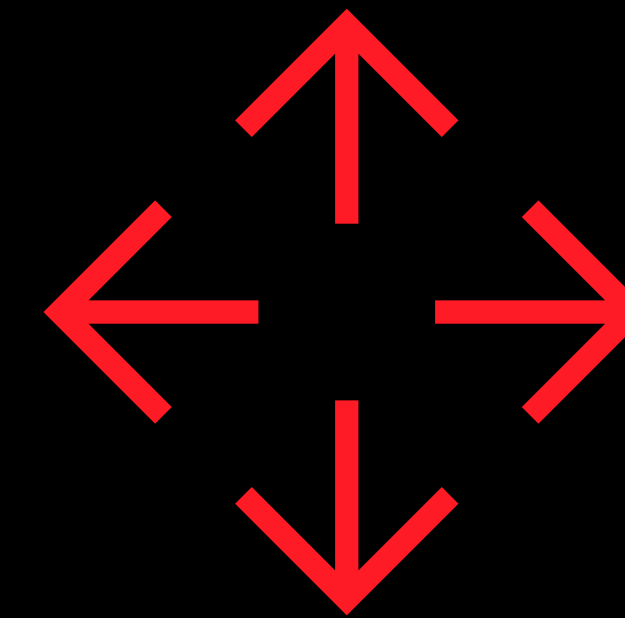
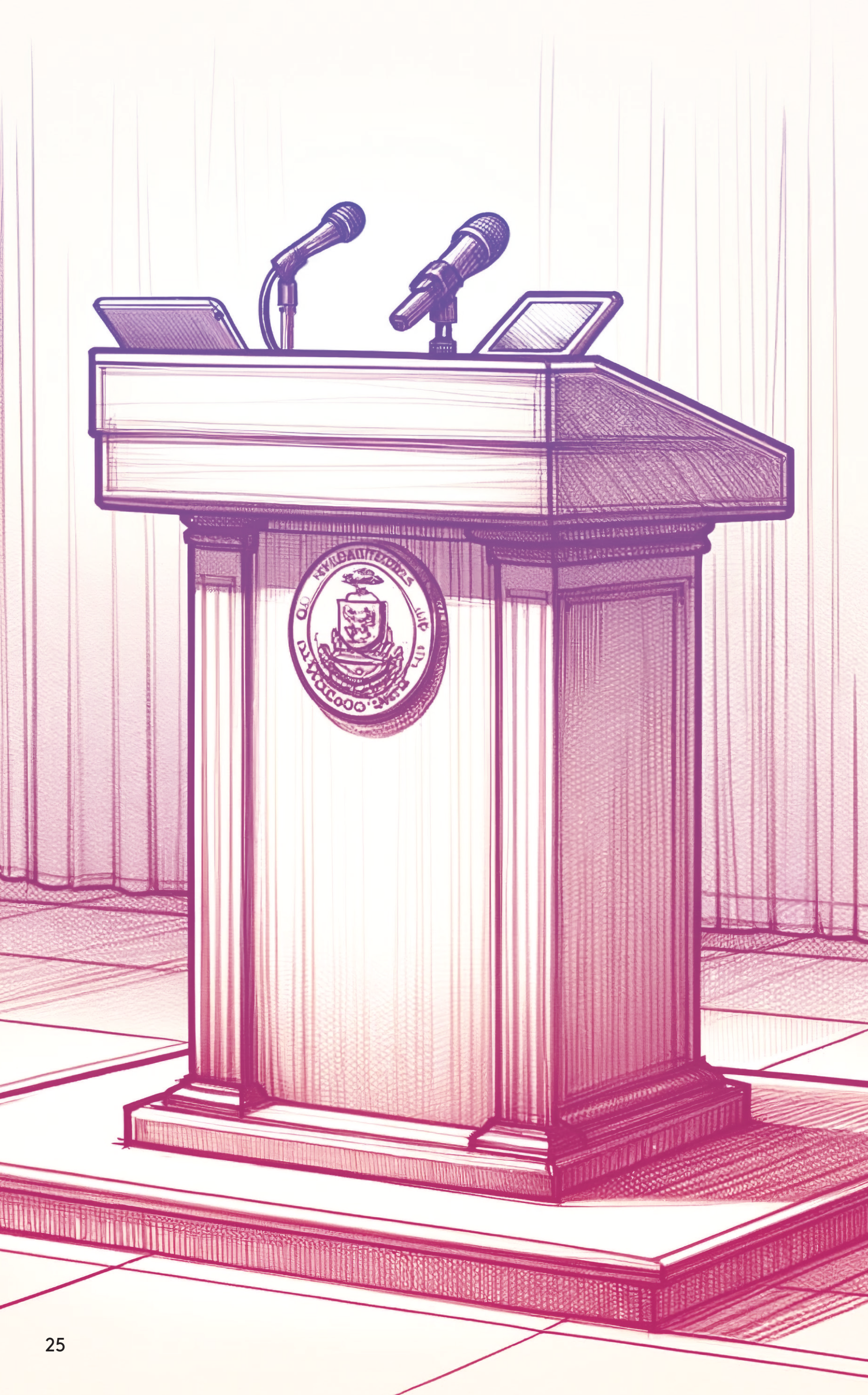


With 300 portfolio companies and more than 30 professionals, we have the versatility to invest at any stage, from \$100,000 to \$100 million



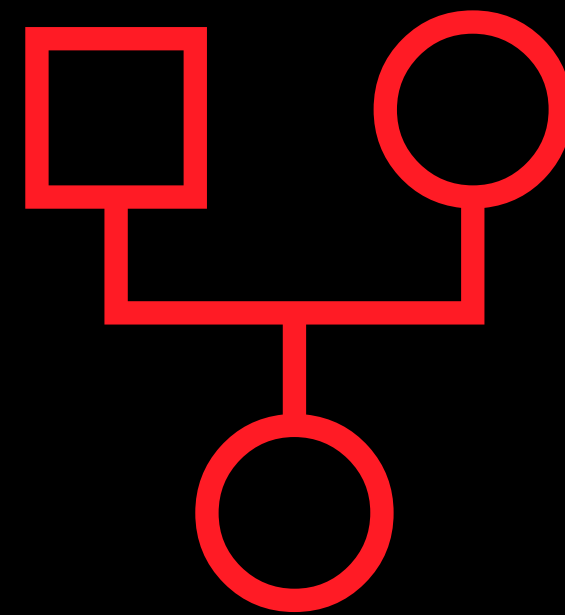
What is Riskgaming?





CHARACTER-DRIVEN STRATEGY

Players take on the role of richly-detailed characters who can strategically build or break trust with each other throughout the game.



EMERGENT BEHAVIOR

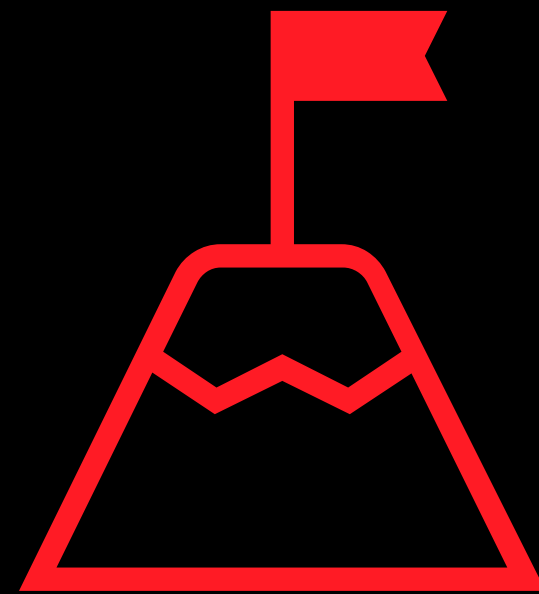
Players make strategic decisions influenced by personal and external incentives, allowing for spontaneity and surprise.





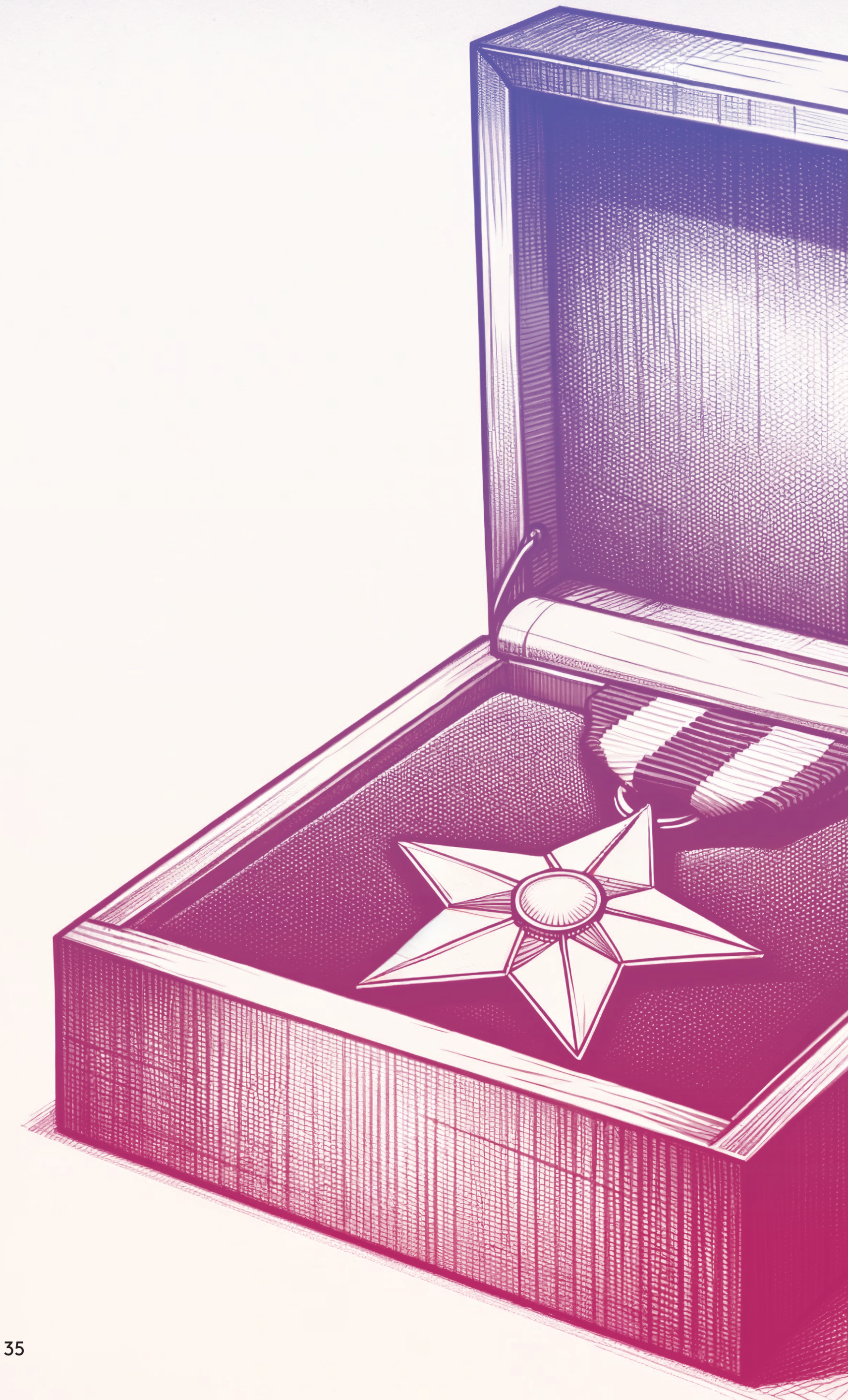
AUTONOMOUS DECISION-MAKING

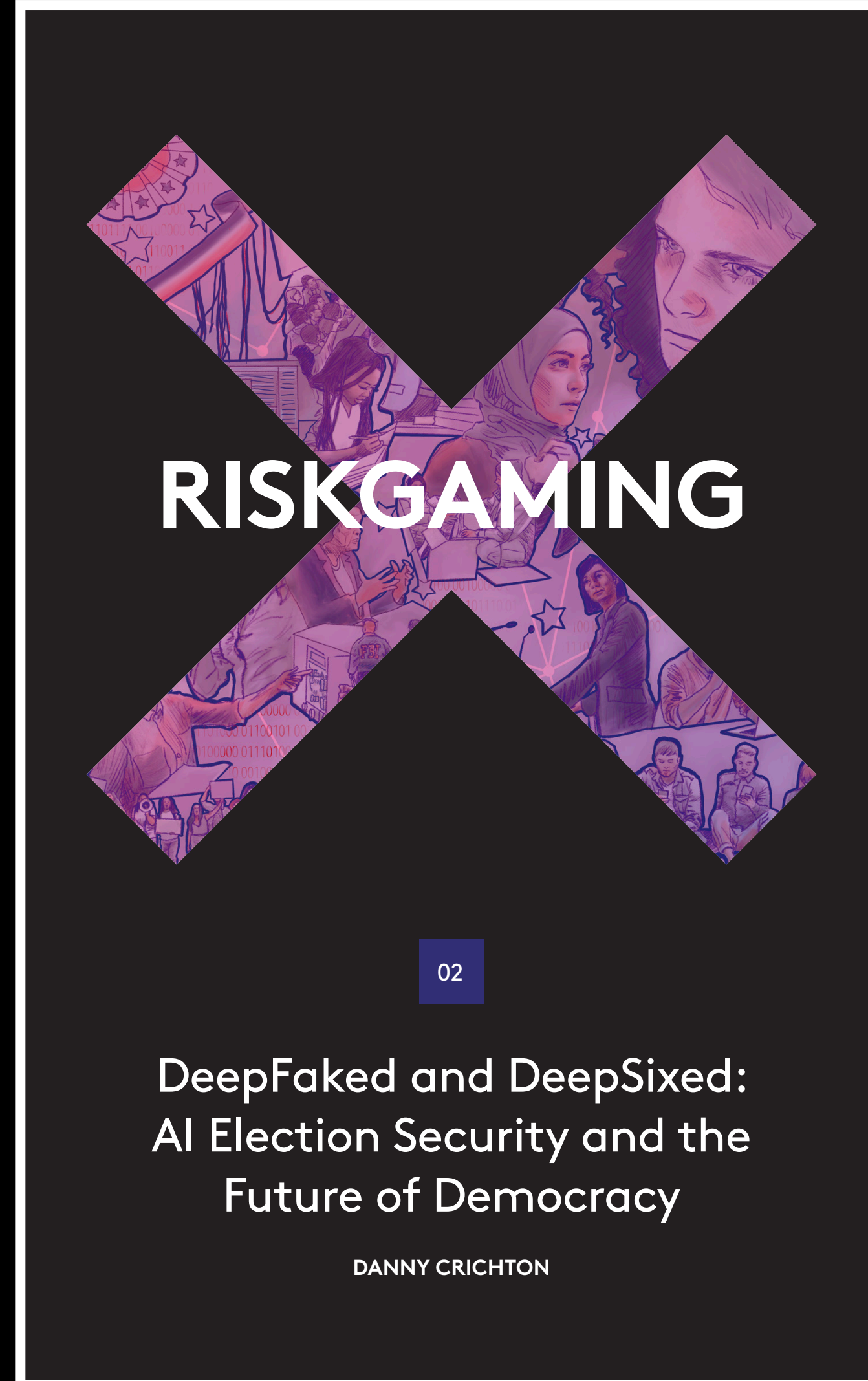
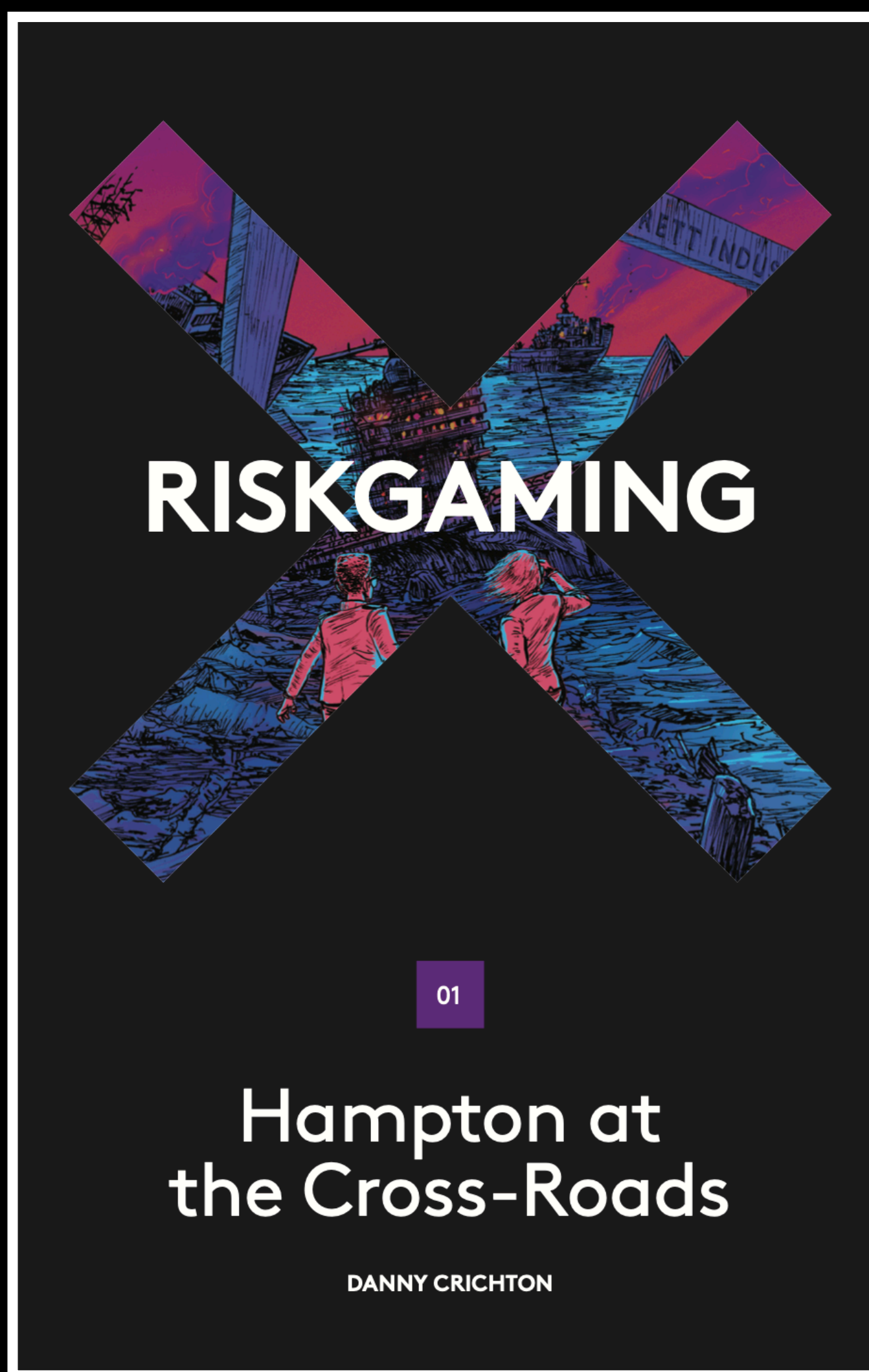
All players select their actions independently of each other during a scenario, reflecting the autonomy of real-world decision-makers.



PROFOUND EXPERIENCES

Each scenario faithfully
models the real world,
allowing players to experience
an alternative reality that
informs our own.





+ AI & National Security, Water Security in Arizona, Xenotransplantation and more



RISKGAMING

01

Hampton at the Cross-Roads

DANNY CRICHTON



RISKGAMING

02

DeepFaked and DeepSixed: AI Election Security and the Future of Democracy

DANNY CRICHTON

Setup: Election Intelligence Fusion Center

- **Two** scenes:
 - 1) Before Election and
 - 2) During/After Election
- Each role has **one clue per scene**. Do not confuse the clue!
- **Gameplay:** Walk around the room seeking common information
- If you find a pattern, check in with the Center Directors who will write the potential threat down
- At the end of the scene, we will look over the list of threats and select which ones the group finds most likely
- 1 or 2 points for identifying a correct threat.
-1 Point for an incorrect threat.

One Key Rule

No one is lying or faking who they are.

This is not a game of subterfuge - everyone is on the same side



Scene 1

Before Election

Charge of the Ballot Brigade*

Bottoms-up, decentralized groups can be hard to find, and likely will fall under broad constitutional protections for free speech and free association.

Pew's That?

The toughest deepfakes to fight will be of high-trust local figures who have content of themselves online.

Kim's Convenience

Not all election interference is political. Many organizations and governments may just want to make money, even if illegal.

All The News That Isn't Fit To Print

Vetting news sites is nearly impossible today given the rise of citizen journalism and the shrinking of traditional media.

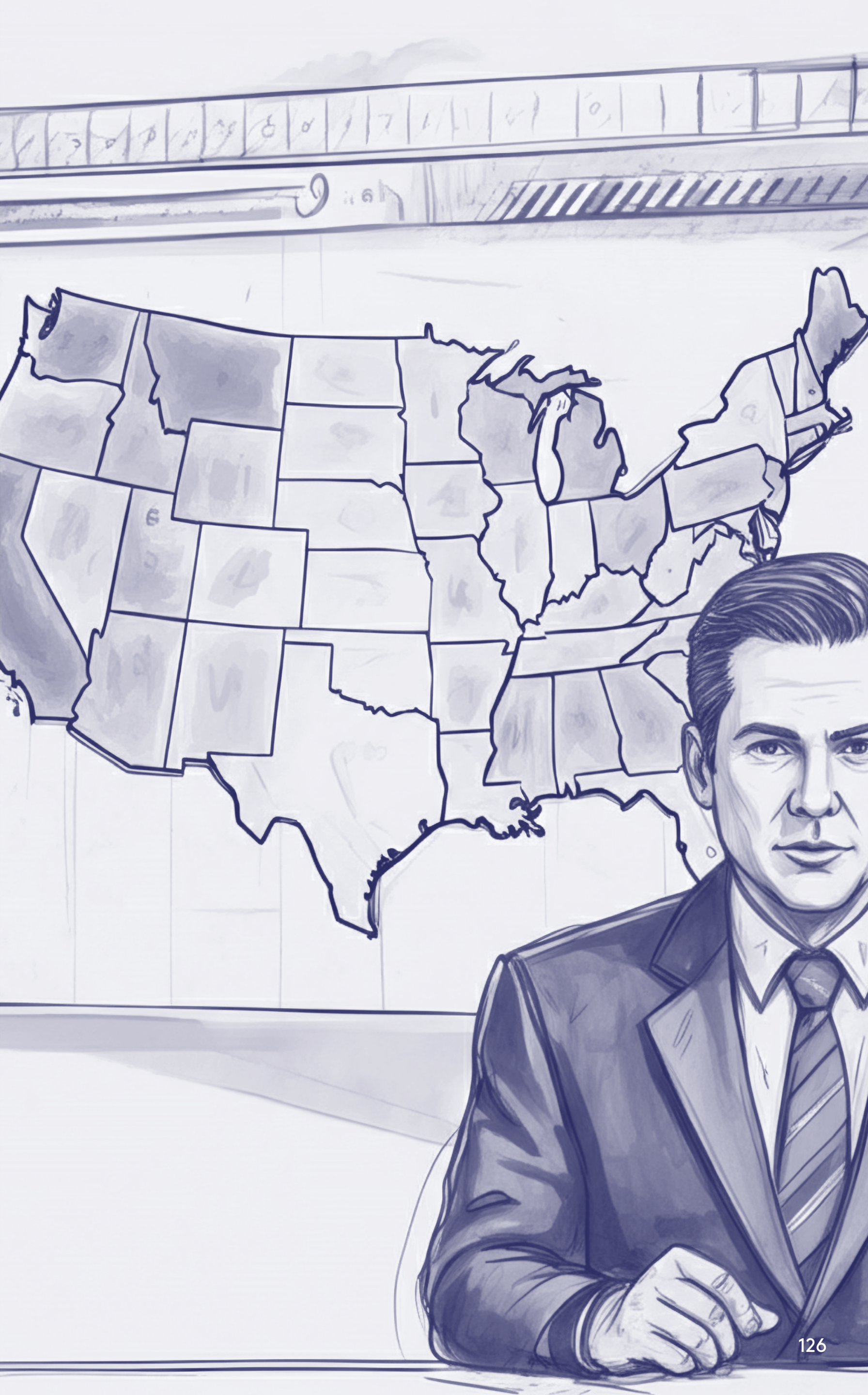
Freedom of Disinformation Request*

Hackers don't always try to exfiltrate information out of an organization — they can also plant information to embarrass someone or cause fear, uncertainty and doubt.

Oof, It's A Spoof

Media economics have only gotten worse in the past decade, with greater and greater incentive to focus on controversy over verification.

Midgame Scoring



Scene 2

During/After Election

Fear Factor*

Foreign forces can usurp the name and identity of domestic groups to pursue their own agendas.

Early Voting

The motivations of some attackers of U.S. elections are just for the "lolz." Also, the media's election coverage is increasingly automated in the competition to call an election first, risking uncertainty about elections if early calls are wrong.

Electronic SWATter

AI can accentuate concerns about physical security to diminish voter turnout.

DodgyCoin

Verification algorithms are in their infancy and can be wrong. Extraordinary scandals might also be true.

Threat 1

Threat 2

Threat 3

Threat 4

Reduce, Reuse, Revote*

Foreign influence may reuse domestic content in order to increase its authenticity. Stories around AI use can be quite complicated with multiple steps and actors involved.

Going Postal

A cascade of unfortunate events and reactions can quickly undermine the integrity of the election in the eyes of the typical U.S. voter.

Threat 1

Threat 2

Threat 3

Threat 4

Threat 5

Threat 6

Make It Count

Counting the vote accurately is just as important as ensuring the safety of voters on Election Day.

Threat 1

Threat 2

Threat 3

Threat 4

Threat 5

Threat 6

Threat 7

Endgame Scoring

Three Takeaways

- Information relevant to these threats is held by a **wide variety of public and private actors**, with differing levels of engagement
- There are **complex and diverse objectives** for engaging in election interference
- Elections are particularly hard to secure since they **happen infrequently** and **best practices are both lost and change** from election to election

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