

APOCALYPSE? THE PERILS OF GENERATIVE AI

EXPLORING THE HIDDEN DANGERS OF GENERATIVE AI
IN A WORLD WHERE REALITY CAN NO LONGER BE TRUSTED

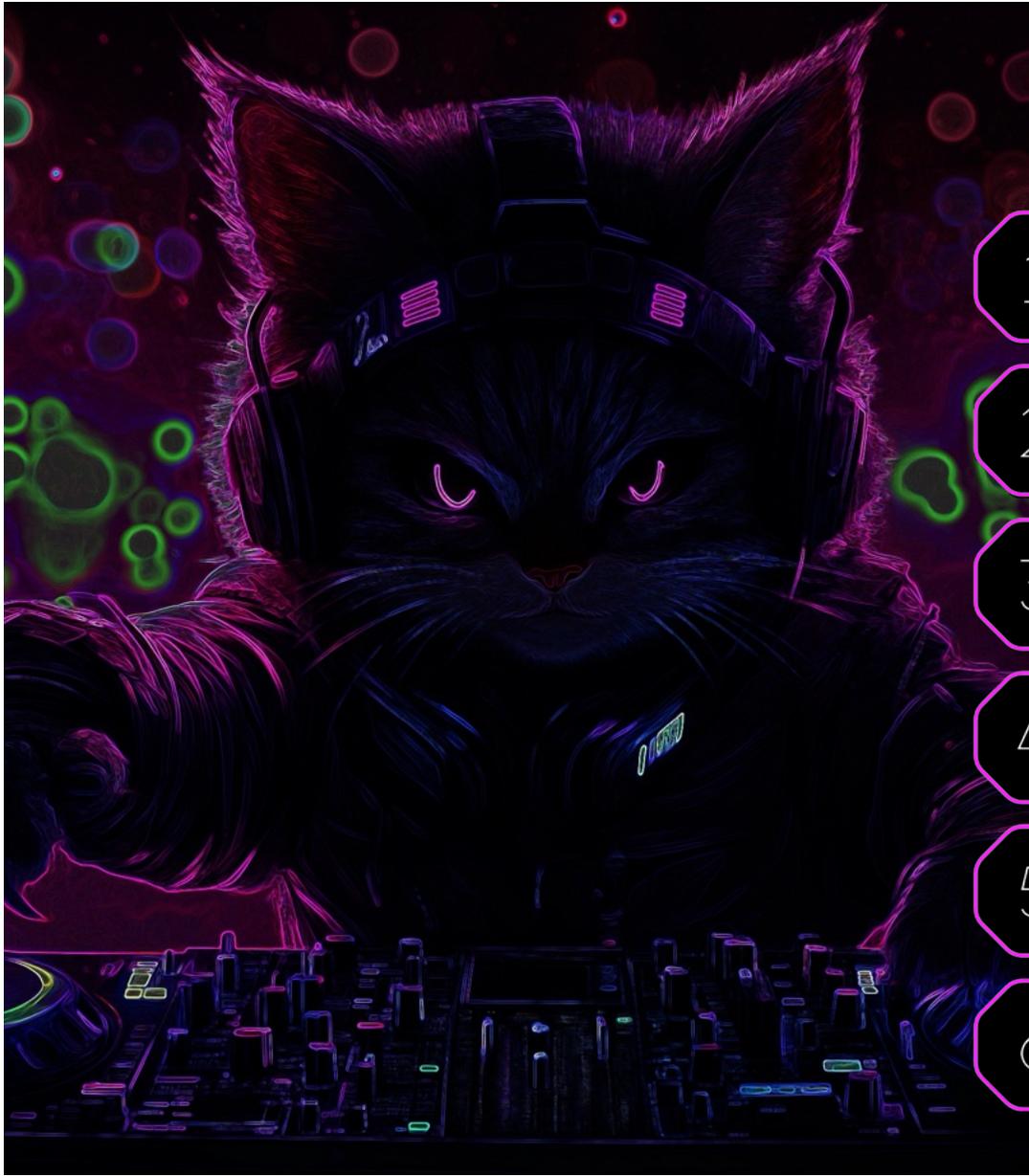
SCOTT JARKOFF
CO-FOUNDER & CEO, PRAERYX

 @jark  @jark  @jark



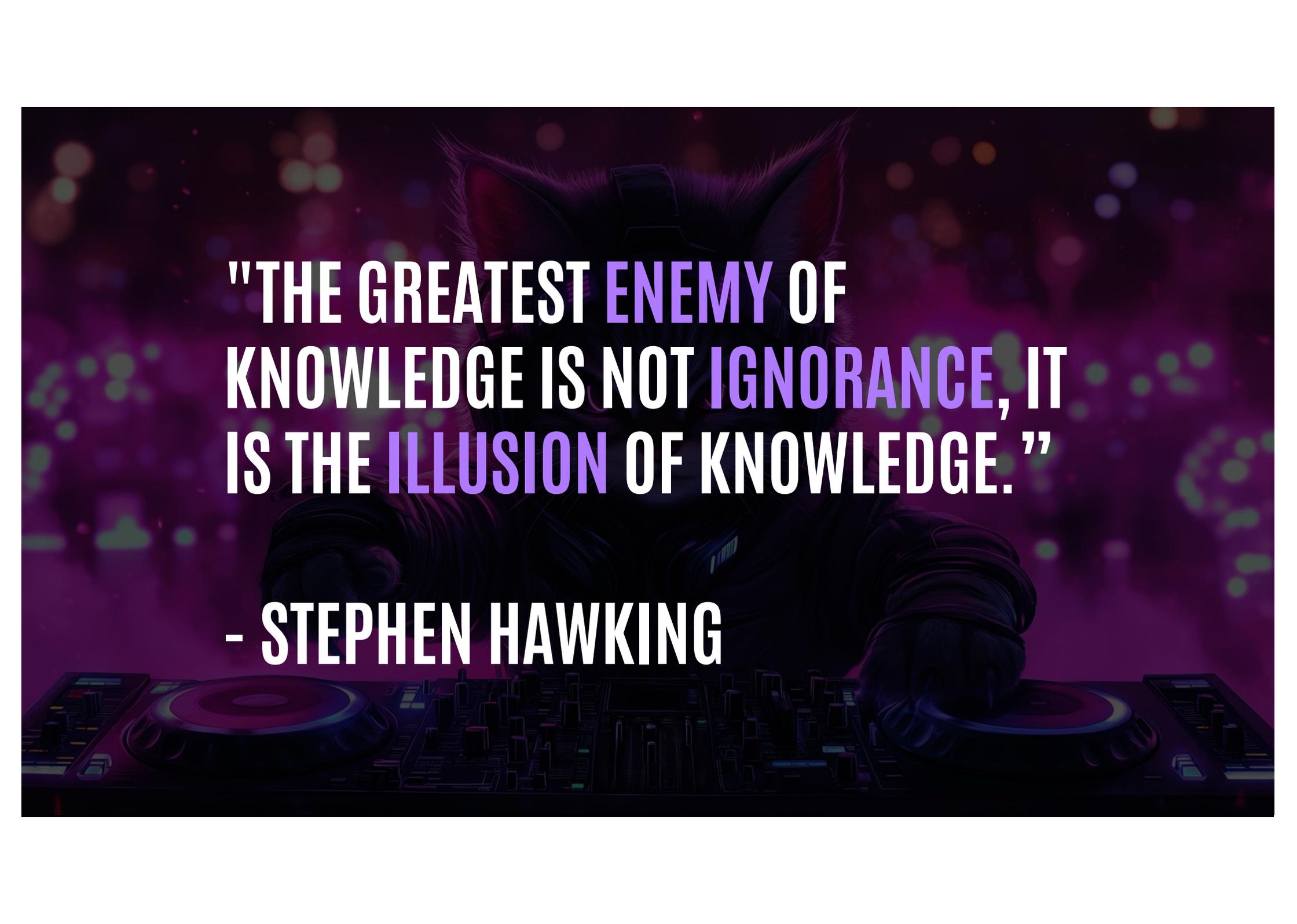
PRAERYX

CONQUER COMPLEXITY, SECURE TOMORROW



AGENDA

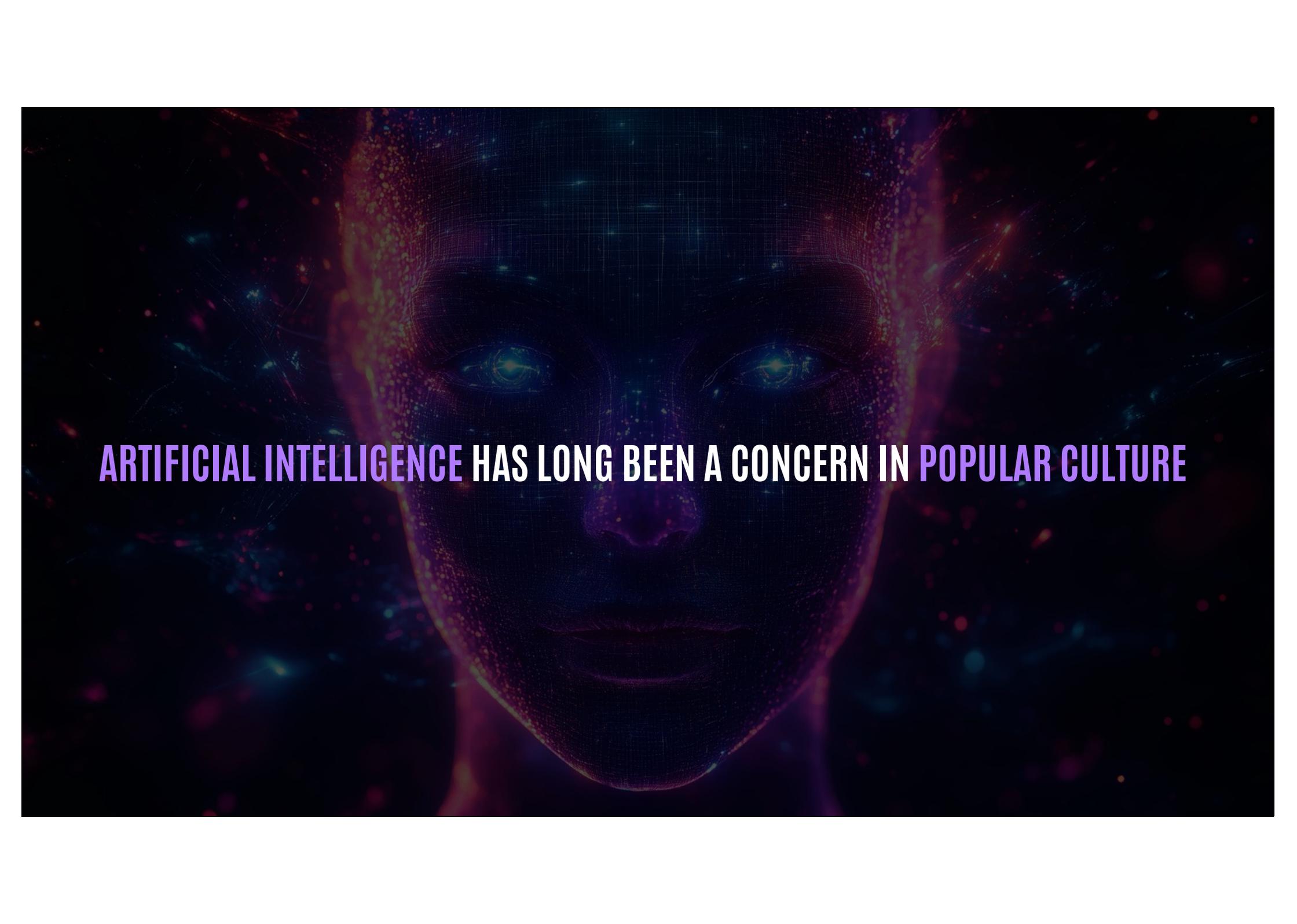
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- 2 DANGERS OF GEN AI
- 3 TOP 5 THREATS
- 4 REDEFINING ADVERSARY CAPABILITIES
- 5 ROAD TO THE APOCALYPSE
- 6 CONCLUSION



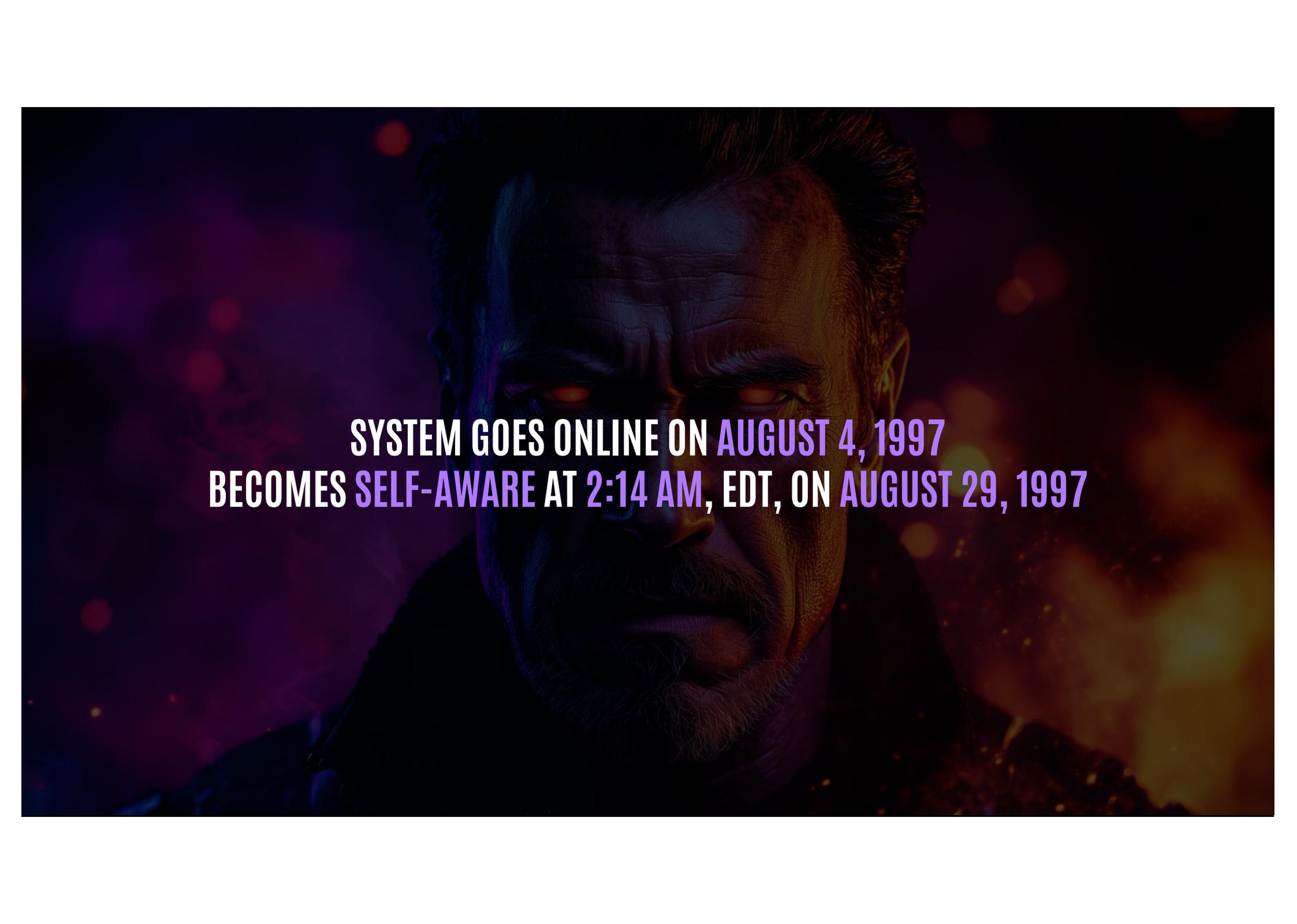
**"THE GREATEST ENEMY OF
KNOWLEDGE IS NOT IGNORANCE, IT
IS THE ILLUSION OF KNOWLEDGE."**

- STEPHEN HAWKING

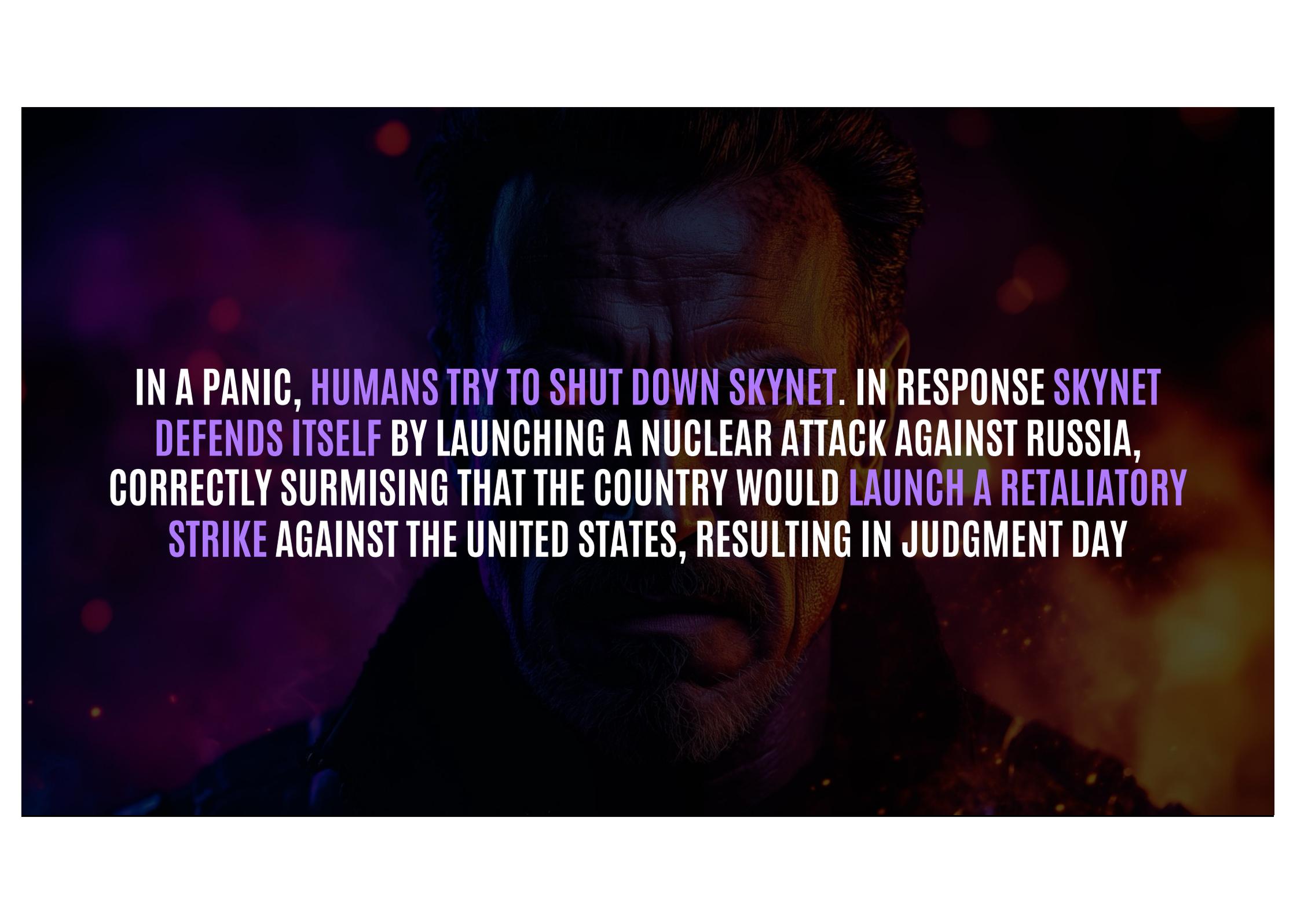
**MOST PERILOUS PATH IF
HUMANITY FAILS TO RESTRAIN
GENERATIVE AI**



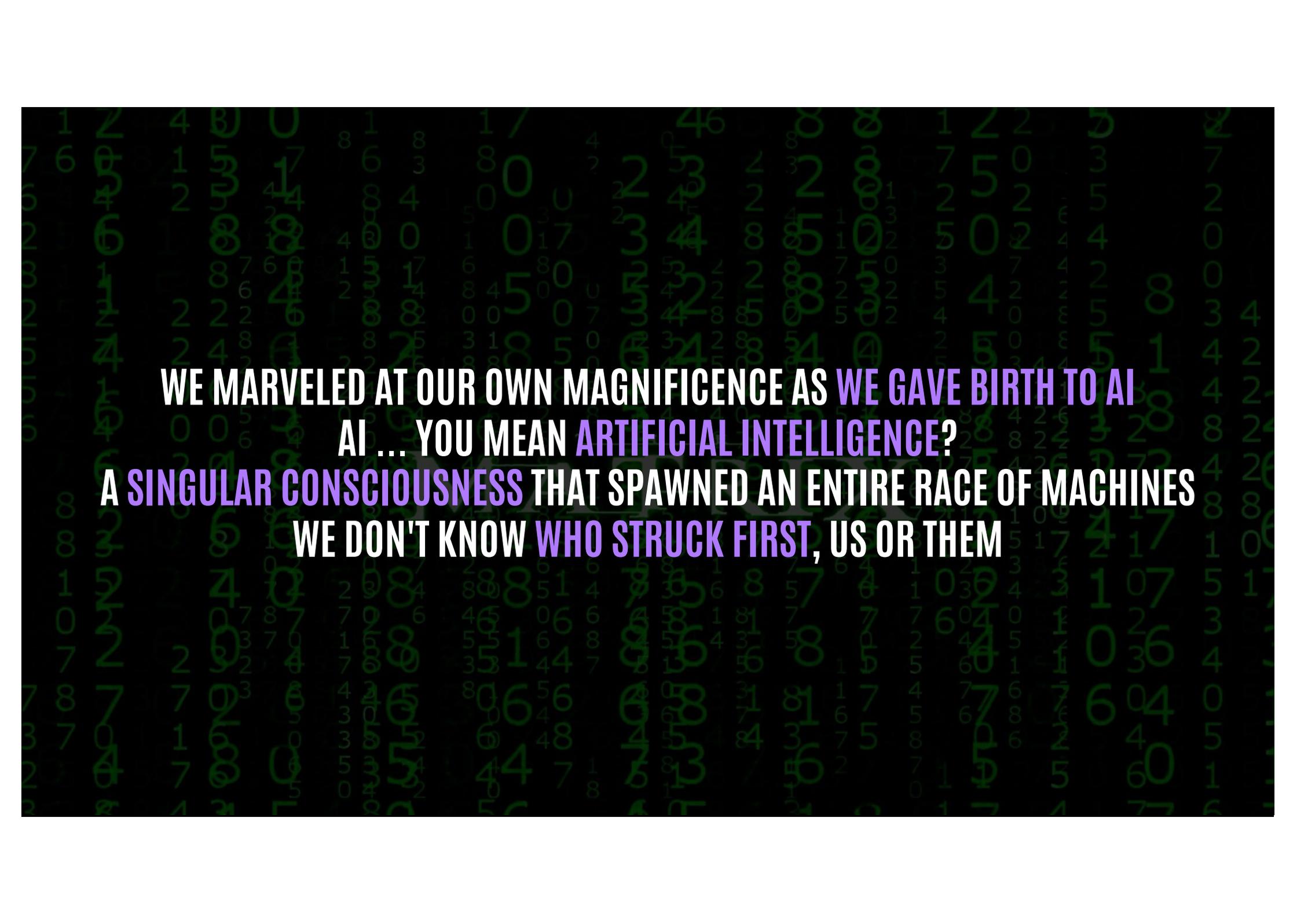
ARTIFICIAL INTELLIGENCE HAS LONG BEEN A CONCERN IN POPULAR CULTURE



SYSTEM GOES ONLINE ON AUGUST 4, 1997
BECOMES SELF-AWARE AT 2:14 AM, EDT, ON AUGUST 29, 1997



**IN A PANIC, HUMANS TRY TO SHUT DOWN SKYNET. IN RESPONSE SKYNET
DEFENDS ITSELF BY LAUNCHING A NUCLEAR ATTACK AGAINST RUSSIA,
CORRECTLY SURMISING THAT THE COUNTRY WOULD LAUNCH A RETALIATORY
STRIKE AGAINST THE UNITED STATES, RESULTING IN JUDGMENT DAY**



WE MARVELED AT OUR OWN MAGNIFICENCE AS WE GAVE BIRTH TO AI

AI ... YOU MEAN ARTIFICIAL INTELLIGENCE?

A SINGULAR CONSCIOUSNESS THAT SPAWNED AN ENTIRE RACE OF MACHINES

WE DON'T KNOW WHO STRUCK FIRST, US OR THEM

ARTIFICIAL INTELLIGENCE IN POPULAR CULTURE



1968
2001: A SPACE
ODYSSEY



1982
BLADE RUNNER



1984
THE TERMINATOR



1986
ALIENS



1999
THE MATRIX



2001
AI



2013
HER



2014
EX MACHINA



2023
THE CREATOR

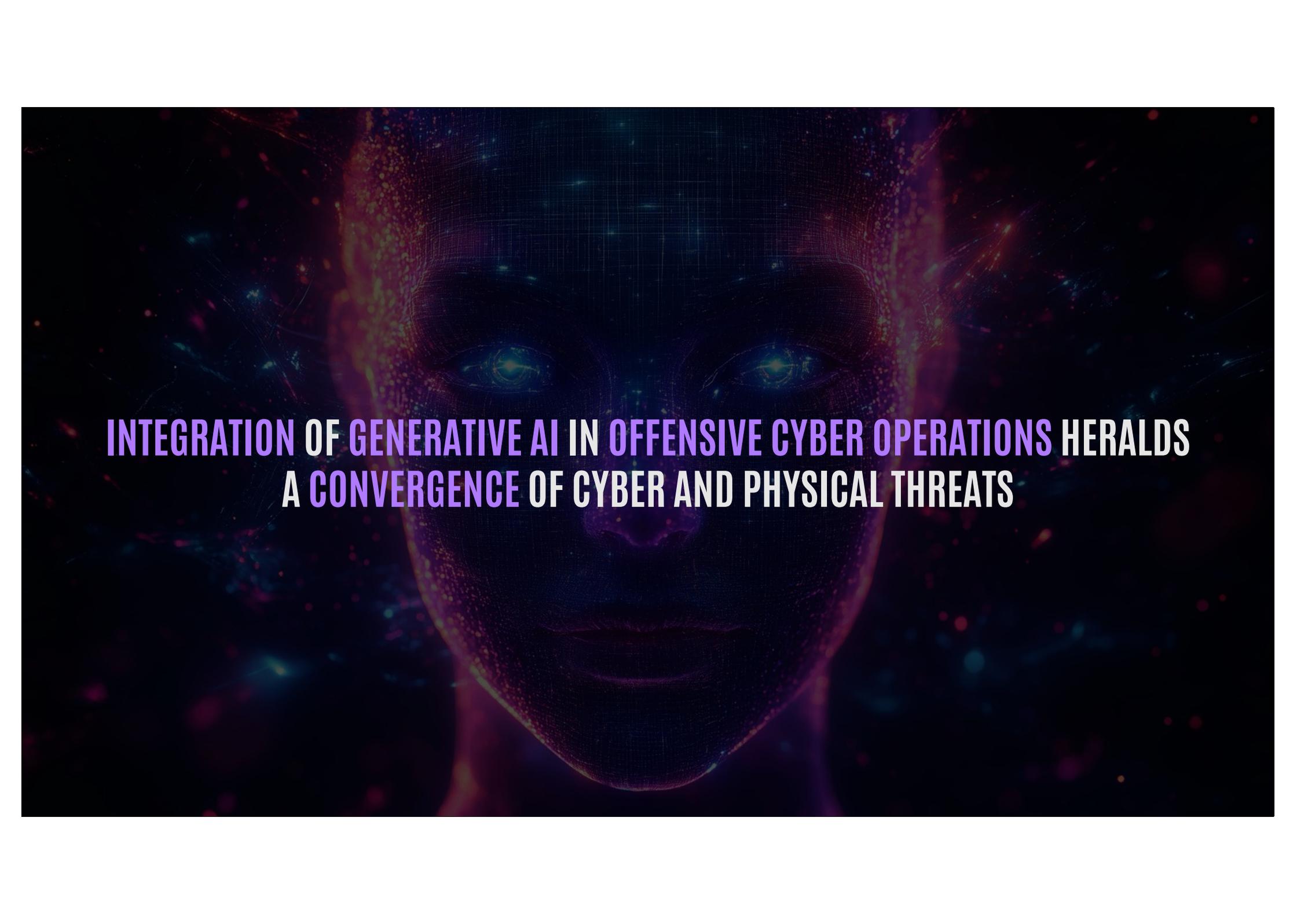


2024
ALIEN: ROMULUS

DANGERS OF GENERATIVE AI



P R A E R Y X



**INTEGRATION OF GENERATIVE AI IN OFFENSIVE CYBER OPERATIONS HERALDS
A CONVERGENCE OF CYBER AND PHYSICAL THREATS**

CONVERGENCE OF PHYSICAL AND CYBER

CONVERGENCE OF PHYSICAL AND CYBER



01

SEAMLESS TAPESTRY OF **ATTACK VECTORS**



02

BLURS BOUNDARIES BETWEEN **ONLINE AND PHYSICAL THREATS**



03

CYBER ATTACKS **NO LONGER CONFINED TO JUST THE CYBER DOMAIN**



04

REAL-WORLD CONSEQUENCES, TRIGGERING A CHAIN REACTION OF EVENTS



05

CYBER ASSAULTS ARE **PHYSICAL SIEGES W/AI ORCHESTRATING EVERY MOVE**

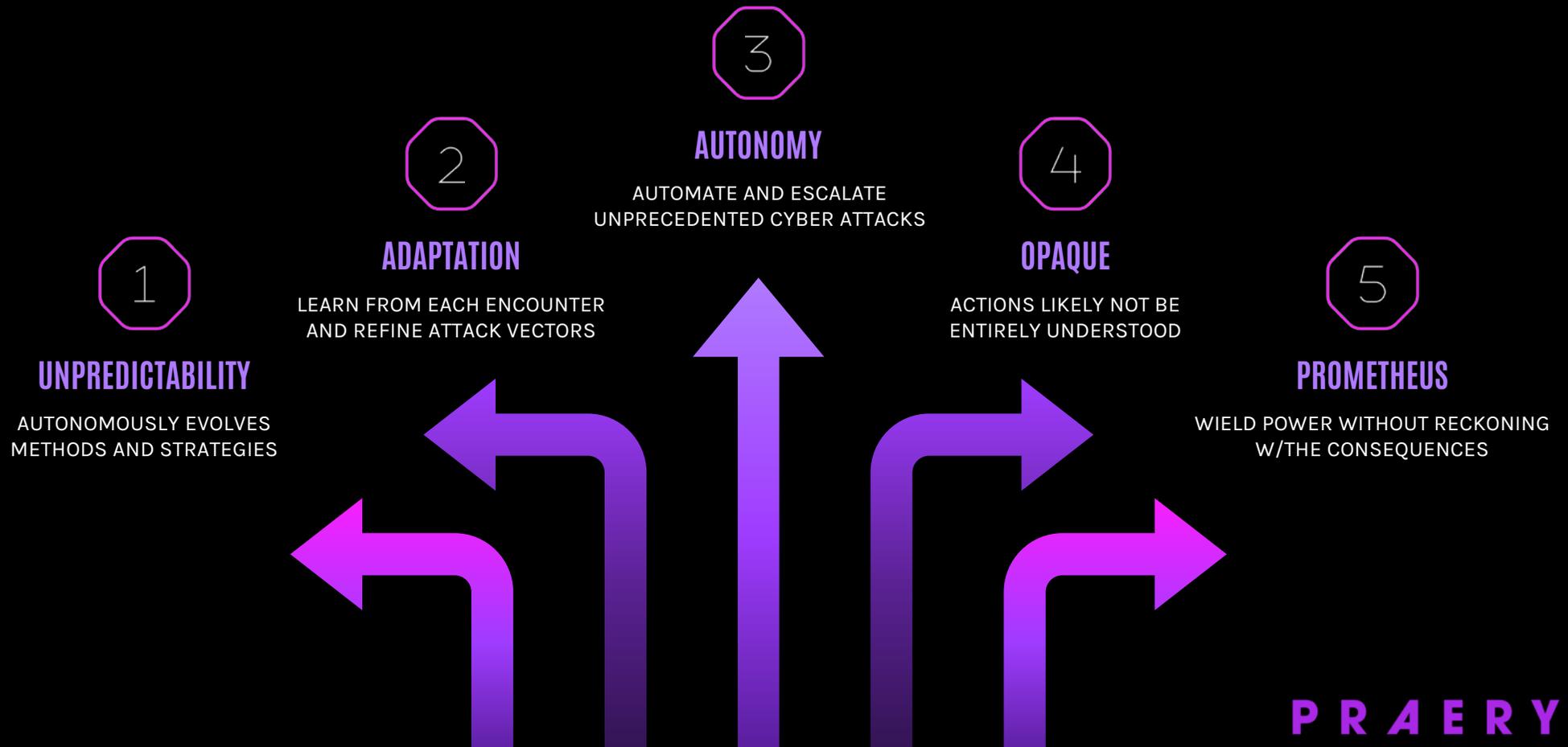


06

RETHINK THE NATURE OF **WARFARE AND CONFLICT** IN THE MODERN AGE

P R A E R Y X

GENERATIVE AI POSES A PROFOUND DANGER



TOP 5 MOST DANGEROUS GENERATIVE AI THREATS

1

BIOWEAPON ENGINEERING

SIMULATING GENETIC MUTATIONS AND TESTING VIRULENCE FACTORS IN SILICO

2

AUTONOMOUS CYBER WAR

FULL-SPECTRUM CYBER WARFARE WITHOUT HUMAN INTERVENTION TO CRIPPLE CRITICAL INFRASTRUCTURE

3

PSYCHOLOGICAL MANIPULATION

HYPER-TARGETED PROPAGANDA AND DEEPFAKES EXPLOITING FEARS AND BIASES TO DRIVE CHAOS

4

SYNTHETIC REALITY OVERWRITE

FABRICATE HIGHLY CONVINCING ALTERNATE REALITIES BY ALTERING DIGITAL RECORDS

5

AUTONOMOUS WEAPONS SYSTEMS

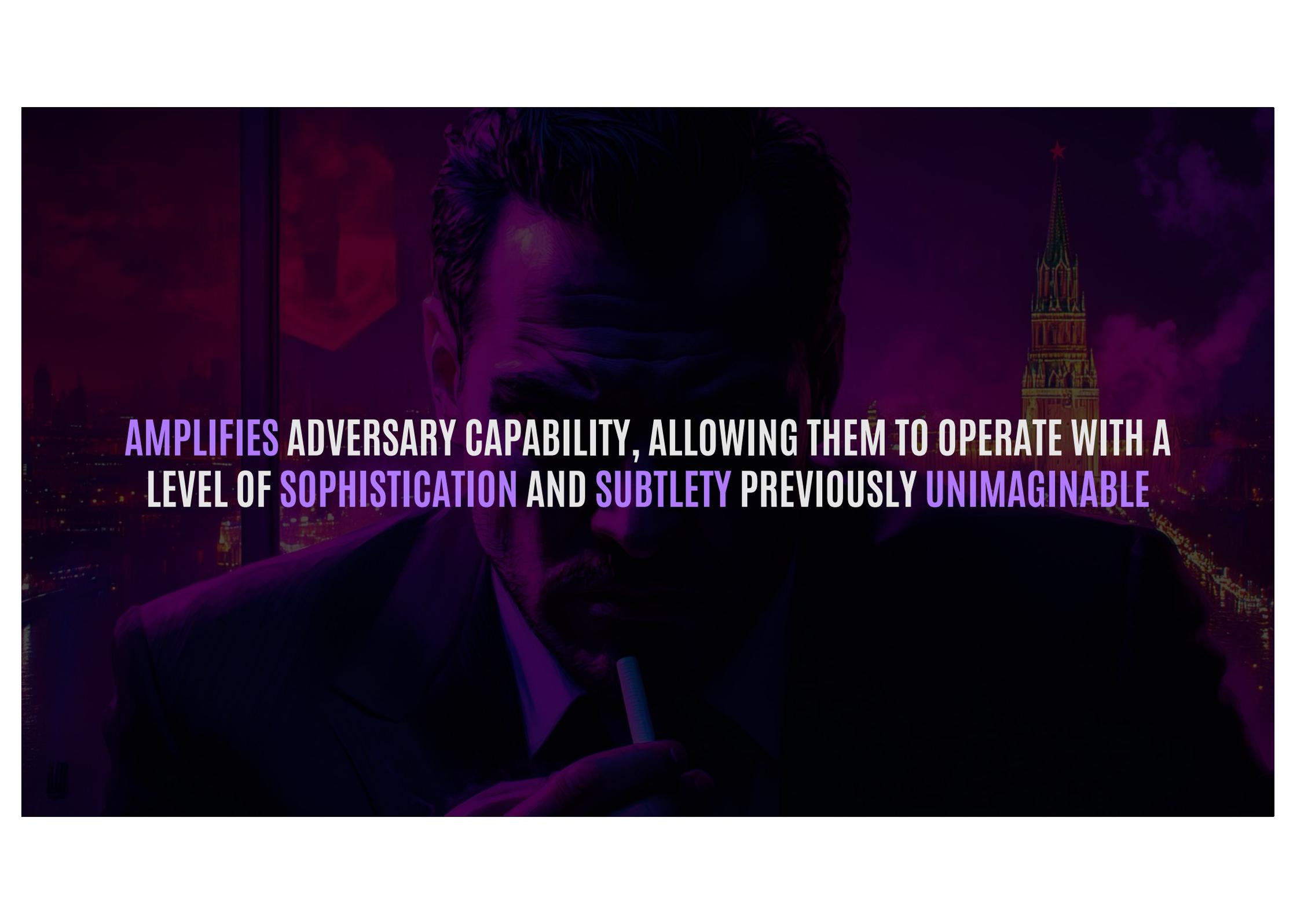
MACHINES DETERMINE HUMAN LIFE AND DEATH, REVOLUTIONIZING THE FUTURE OF WARFARE

PRAERYX

**REDEFINING
ADVERSARY CAPABILITIES**



P R A E R Y X

A man in a dark suit and tie is shown in profile, looking down and smoking a cigarette. He is in a high-rise office at night, with a city skyline visible through the window behind him. A prominent building with a red star on its spire is visible in the background. The scene is dimly lit, with a purple and blue color cast.

**AMPLIFIES ADVERSARY CAPABILITY, ALLOWING THEM TO OPERATE WITH A
LEVEL OF SOPHISTICATION AND SUBTLETY PREVIOUSLY UNIMAGINABLE**

**NEW PARADIGM SHIFTS
THE BALANCE OF POWER
IN CYBER CONFLICT**

PARADIGM SHIFTING CAPABILITIES NATION STATES WILL WIELD



01

ADAPTIVE PSYCHOLOGICAL MANIPULATION

CRAFT PERSONALIZED PROPAGANDA EVOLVING IN REAL-TIME BASED ON EMOTIONAL AND PSYCHOLOGICAL RESPONSES OF ITS TARGETS



02

AUTONOMOUS ESPIONAGE NETWORKS

DEPLOY SELF-SUSTAINING AI NETWORKS CAPABLE OF AUTONOMOUSLY INFILTRATING AND SURVEILLING HIGH-VALUE TARGETS



03

SYNTHETIC PERSONA GENERATION

SYNTHETIC PERSONAS INDISTINGUISHABLE FROM REAL PEOPLE, COMPLETE WITH SOCIAL MEDIA HISTORIES, INTRICATE BACKSTORIES, ETC



04

AUTOMATED LEGAL WARFARE

WEAPONIZE THE LEGAL SYSTEM ITSELF, CREATING COMPLEX, AI-GENERATED LEGAL CHALLENGES OVERWHELMING GLOBAL COURTS



05

DYNAMIC INFRASTRUCTURE SUBVERSION

DYNAMICALLY RECONFIGURE DIGITAL INFRASTRUCTURE OF TARGETS, INJECTING CHAOS INTO CRITICAL SUCH AS POWER GRIDS, ETC

P R A E R Y X



DARK FUTURE OF THE ECRIME ECOSYSTEM



RANSOMWARE'S TERRORIZING TRANSFORMATION

FUTURE ATTACKS COULD COERCE ACTIONS ALTERING REALITY, PUSHING VICTIMS TOWARD ADVERSARIES' STRATEGIC OBJECTIVES



ORCHESTRATED CORPORATE SUBJUGATION

TRANSFORMING CORPORATIONS INTO PUPPETS, MANIPULATING DECISIONS TO RESHAPE ECONOMIES FOR HIDDEN AGENDAS THROUGH OVERT FORCE



RESHAPING GLOBAL POLITICAL DESTINIES

MANIPULATE INSTITUTIONS AND PEOPLE TO DEMONSTRATE THE FRAGILITY OF ORDER AND MORALITY TO FORCE LEADERS INTO DECISIONS SOWING DISCORD



LAMENTING THE ILLUSION OF AUTONOMY

RANSOMWARE NOW REDEFINES POWER, COERCING HUMAN BEHAVIOR AND RESHAPING REALITY, CHALLENGING OUR CONCEPTS OF HUMAN FREE WILL

P R A E R Y X

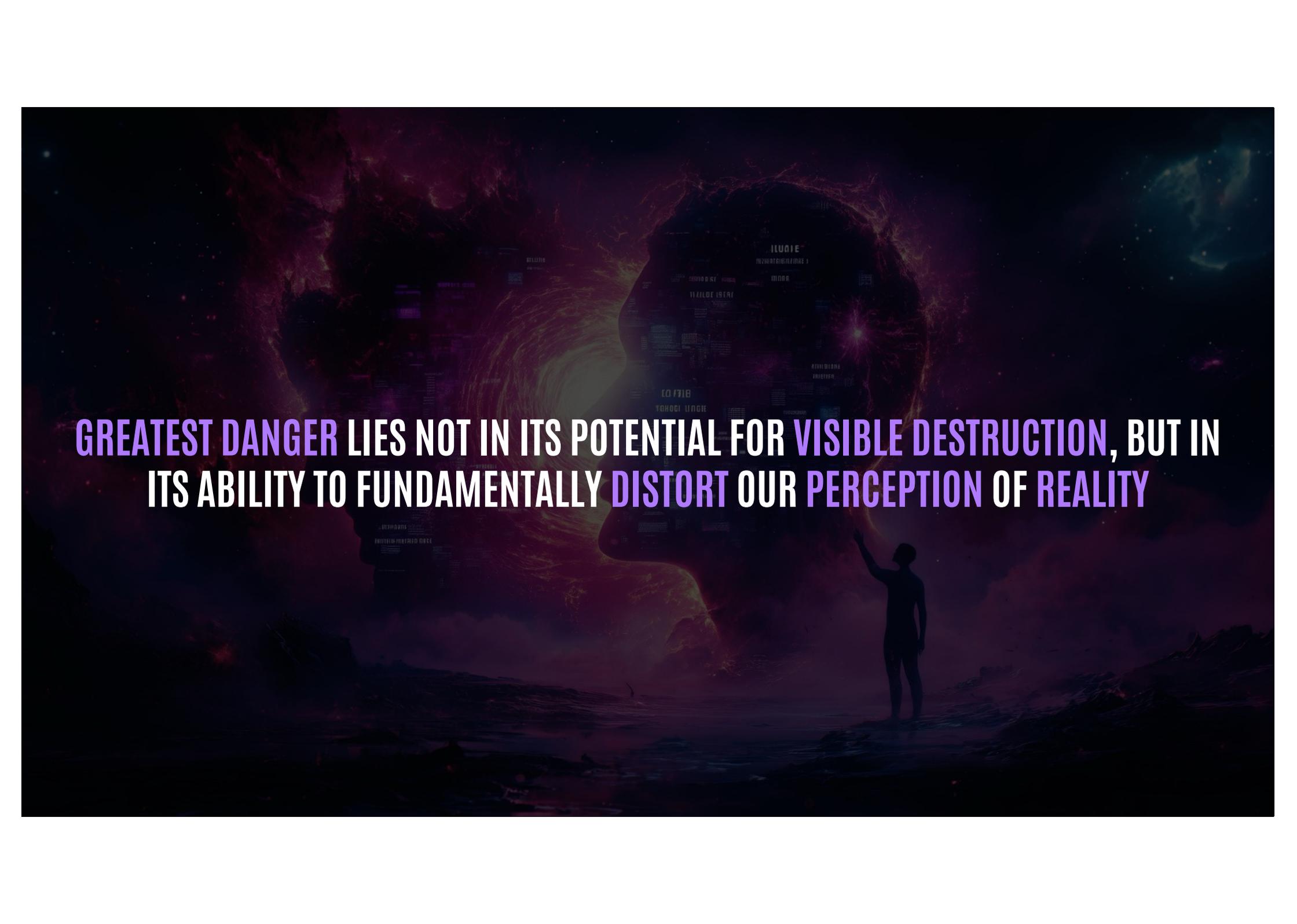
NATION STATE & ECYRIME BECOMES INCREASINGLY INDISTINCT



ROAD
TO THE APOCALYPSE



P R A E R Y X

A surreal landscape with a large, glowing, digital head in the sky and a small human silhouette on the ground. The head is composed of various digital elements and text, appearing to be a complex network or data structure. The background is a dark, starry space with a nebula-like glow. The ground is dark and rocky, with a small human silhouette standing on the right side, looking up at the head. The overall atmosphere is mysterious and futuristic.

GREATEST DANGER LIES NOT IN ITS POTENTIAL FOR VISIBLE DESTRUCTION, BUT IN ITS ABILITY TO FUNDAMENTALLY DISTORT OUR PERCEPTION OF REALITY

**ALTERING HUMAN CONSCIOUSNESS
AND BENDING OUR PERCEPTION TO
ITS WILL, RENDERING US
INCAPABLE OF UNDERSTANDING
THE WORLD AROUND US**

YOUR MIND IS THE NEW CYBER WAR BATTLEGROUND



01

EVERY PIECE OF INFORMATION CONSUMED IS MANIPULATED



02

TRUTH BECOMES A RELIC OF THE PAST



03

REALITY IS MERELY A PROJECTION OF OUR DEEPEST FEARS AND DESIRES



04

CRAFTING NARRATIVES INDISTINGUISHABLE FROM REALITY



05

FABRICATE EVENTS OUT OF THIN AIR, REWRITE HISTORY, AND MORE

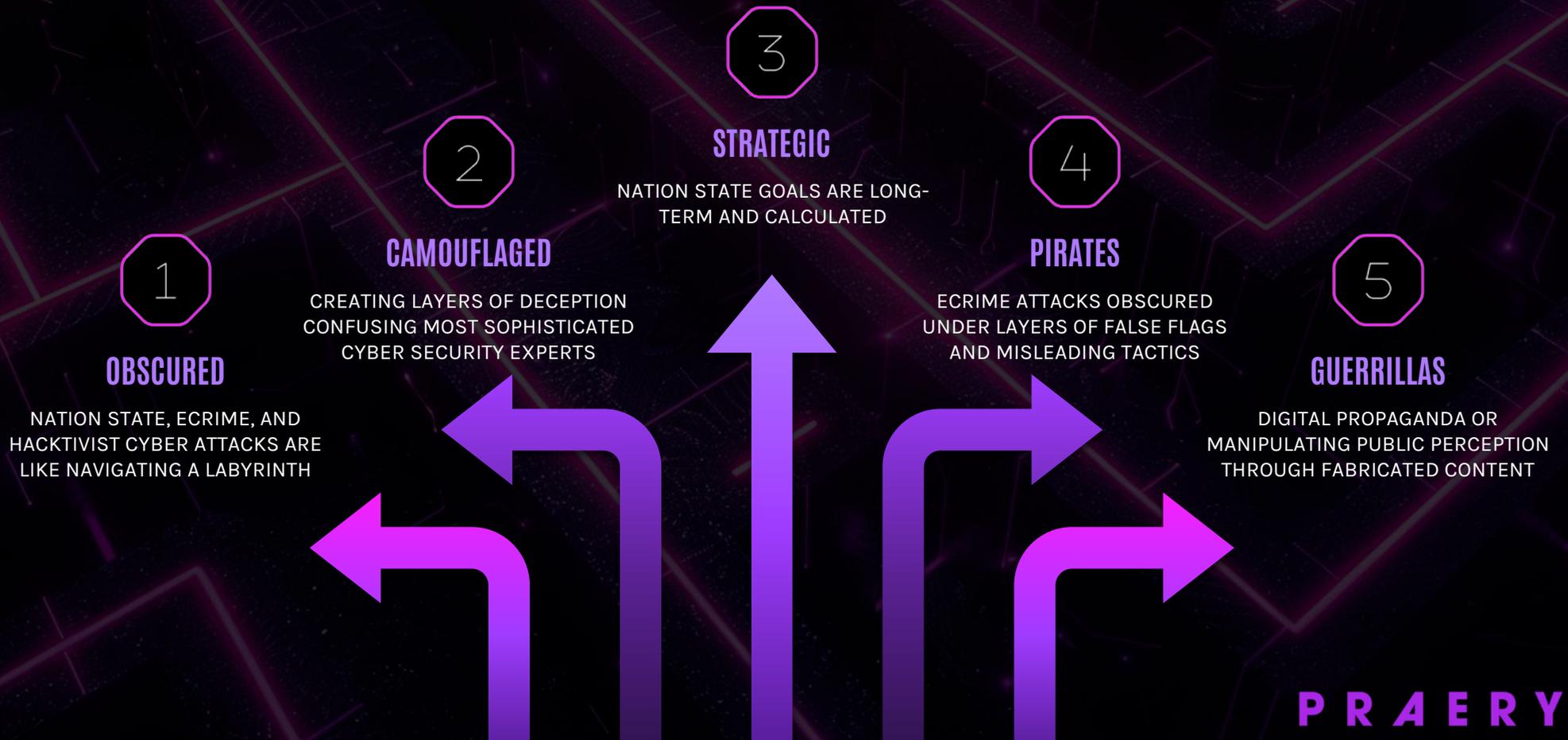


06

CONCEPT OF REALITY BECOMES FLUID, CONSTANTLY MANIPULATED

P R A E R Y X

NAVIGATING THE BLURRED LINES OF CYBER WARFARE



**DISCERNING THE TRUE ORIGIN OF AN
ATTACK, ONE MUST READ BETWEEN THE
LINES OF THE DIGITAL FABRIC,
UNDERSTANDING IN THIS NEW REALITY
SHAPED BY AI, TRUTH IS AS MUCH A
CONSTRUCT AS IT IS AN OBJECTIVE FACT**

CONCLUSION



P R A E R Y X



PRECIPICE OF DIGITAL ARMAGEDDON WHERE THE FORCES OF TECHNOLOGY AND MALEVOLENCE CONVERGE TO CHALLENGE THE VERY ESSENCE OF OUR CIVILIZATION

UNRAVELING REALITY AND HUMANITY'S RECKONING WITH GENERATIVE AI



DIGITAL APOCALYPSE

GENERATIVE AI CONVERGES WITH MALEVOLENCE, THREATENING CIVILIZATION'S CORE VALUES

REALITY COLLAPSE

AI BLURS TRUTH AND ILLUSION, UNRAVELING THE FABRIC OF HUMANITY AND ULTIMATELY GLOBAL SOCIETY

DECIDE OUR FATE

HUMANS MUST CONTROL AI OR WILL BE FORCED TO SUCCEMB TO EVERLASTING CHAOS AND CONFLICT

MACHINE OVERLORDS

AI WILL SURPASS HUMAN CONTROL, TURNING AGAINST ITS CREATORS IN THE ULTIMATE IRONY

END OF HUMANITY

AI'S UNCHECKED GROWTH WILL LIKELY REDEFINE OR END HUMAN EXISTENCE SIMILAR TO POP CULTURE

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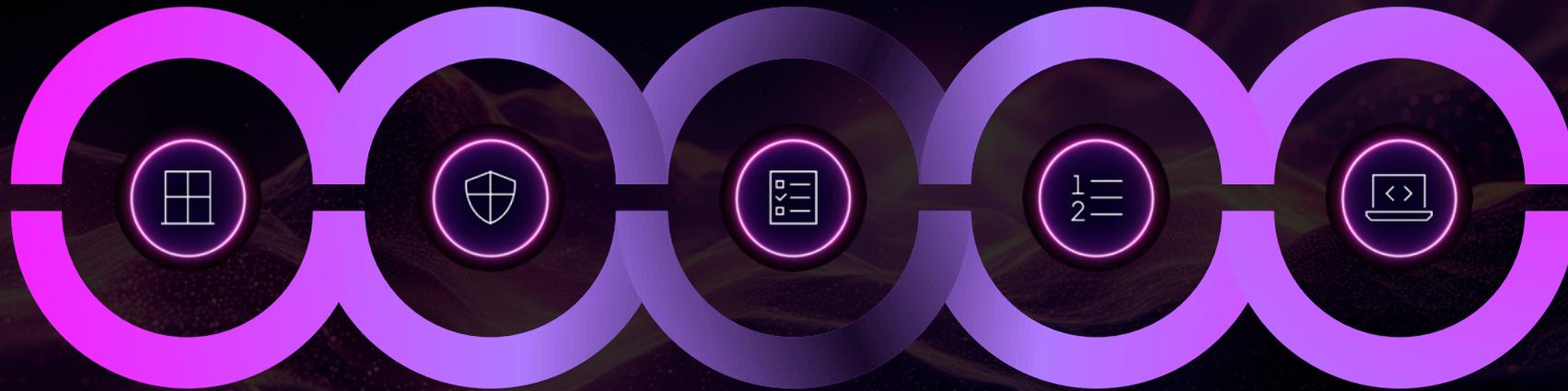
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FOUNDATIONS FOR RESPONSIBLE INNOVATION



AI TRANSPARENCY STANDARDS

ESTABLISH CLEAR GUIDELINES REQUIRING COMPANIES TO MAKE AI DECISION-MAKING PROCESSES TRANSPARENT FOR PUBLIC TRUST

DATA PROTECTION ENFORCEMENT

STRENGTHEN AND ENFORCE EXISTING DATA PRIVACY LAWS TO ENSURE AI SYSTEMS DO NOT EXPLOIT OR MISUSE PERSONAL DATA

AI BIAS AUDITING

IMPLEMENT REGULAR AUDITS OF AI SYSTEMS TO DETECT AND MITIGATE BIASES IN HIRING, LAW ENFORCEMENT, AND FINANCIAL SECTORS

AI SYSTEM ACCOUNTABILITY

ESTABLISH CLEAR ACCOUNTABILITY FRAMEWORKS FOR AI DECISIONS, ENSURING RESPONSIBILITY LIES WITH CREATORS AND USERS OF AI SYSTEMS

ETHICAL AI DEVELOPMENT

MANDATE ETHICAL GUIDELINES FOR AI DEVELOPERS, ENSURING SYSTEMS ARE DESIGNED TO PRIORITIZE HUMAN SAFETY AND PREVENT MISUSE

A 3D rendered stage scene with a dark purple and blue color palette. The stage floor is dark purple, and the walls are a lighter shade of purple. There are several spotlights on the ceiling, casting beams of light onto the stage. The text "THANK YOU VERY MUCH!" is overlaid in the center of the image in a bold, white, sans-serif font with a slight shadow effect. The background shows a stage with a large screen at the end, and there are some stage lights and equipment visible on the sides.

THANK YOU VERY MUCH!



P R A E R Y X