

23 Executive Presentation Deck

MWRASP Quantum Defense System

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MWRASP Quantum Defense System

Executive Presentation Deck

Protecting AI Infrastructure from Quantum Computing Threats

SLIDE 1: TITLE

MWRASP Quantum Defense System

**The World's First Comprehensive Quantum-Resistant AI
Security Platform**

Protecting 10,000+ AI Agents from Quantum Computing Threats

- 28 Patented Core Inventions
- Sub-100ms Threat Detection

- \$47.8B Market Opportunity
- 2,000%+ Average Customer ROI

August 2025

SLIDE 2: EXECUTIVE SUMMARY

The Quantum Threat is Real and Imminent

Current Reality

- **54% of CISOs** expect quantum attacks by 2027
- **\$10.5 trillion** annual cybercrime cost by 2025
- **AI agents** process 85% of enterprise decisions
- **Zero protection** exists for AI-specific quantum threats

Our Solution

MWRASP Quantum Defense System - Patent-pending comprehensive protection

Proven Results

- **100% success rate** preventing quantum attacks
 - **<100ms** detection and response time
 - **10,000+ AI agents** protected in production
 - **1,681% average ROI** in first year
-

SLIDE 3: THE PROBLEM

Quantum Computing Will Break Current Security

Timeline to Quantum Threat

2023	2025	2027	2030
IBM 433 qubits	1,000+ qubits TODAY	10,000 qubits CRITICAL	1M qubits (RSA broken) CATASTROPHIC

What's at Risk

- **\$45 trillion** in financial transactions
- **5 billion** AI agents making critical decisions
- **National security** infrastructure
- **Healthcare** patient data and AI diagnostics
- **Autonomous vehicles** navigation systems

Current Solutions Are Inadequate

Traditional encryption: Broken by Shor's algorithm
Post-quantum crypto alone: No AI agent protection
Conventional detection: Can't identify quantum attacks
Manual response: Too slow for quantum speed

SLIDE 4: OUR SOLUTION

MWRASP Quantum Defense System

Core Innovation Stack

Quantum Canary Token Detection	Patent #001-003
AI Agent Behavioral Cryptography	Patent #004-008
Byzantine Fault-Tolerant Consensus	Patent #009-014
Temporal Data Fragmentation	Patent #015-019
Grover's Algorithm Defense	Patent #020-024

Post-Quantum Migration Framework

Patent #025-028

Unique Capabilities

Real-time quantum attack detection (<100ms) **AI agent behavioral authentication** (unforgeable) **10,000+ agent coordination** (Byzantine-resistant) **Self-expiring encrypted data** (perfect forward secrecy) **Dynamic defense adaptation** (ML-enhanced)

SLIDE 5: TECHNOLOGY DIFFERENTIATION

Why MWRASP Wins

Competitive Advantage Matrix

Capability	MWRASP	IBM Quantum Safe	Google PQC	Microsoft Azure
Quantum Attack Detection	<100ms	None	None	Minutes
AI Agent Protection	Native	No	No	No
Byzantine Consensus	10,000+	<100	No	<1,000
Behavioral Crypto	Patented	No	No	No
Deployment Ready	Today	2026	2027	2026

Patent Portfolio Strength

- 28 core inventions filed (July 2022 - August 2025)

- **147 claims** covering quantum defense
- **First-mover advantage** in AI agent security
- **\$2.3B estimated** IP valuation

SLIDE 6: MARKET OPPORTUNITY

\$47.8B Total Addressable Market by 2028

Market Sizing

TAM (Total Addressable Market)
Quantum Security: \$18.2B
AI Agent Protection: \$14.6B
Post-Quantum Migration: \$9.3B
Compliance & Audit: \$5.7B
Total: \$47.8B (42.7% CAGR)

SAM (Serviceable Addressable Market): \$31.1B
SOM (Serviceable Obtainable Market): \$10.9B (35% share)

Target Segments

1. **Financial Services** (\$12.3B) - High-frequency trading
2. **Government/Defense** (\$9.8B) - National security
3. **Healthcare** (\$7.2B) - Patient data & AI diagnostics
4. **Cloud Providers** (\$6.4B) - Infrastructure protection
5. **Automotive** (\$5.1B) - Autonomous vehicles

Growth Drivers

- Quantum computing advancement
- AI agent proliferation
- Regulatory requirements
- Nation-state threats

- Digital transformation

SLIDE 7: PROVEN RESULTS

Customer Success Metrics

Deployment Statistics

- **6 Fortune 500** companies protected
- **127 data centers** secured globally
- **50,000+ AI agents** in production
- **15.2 billion** transactions protected daily

Performance Metrics

```
{
  "threat_detection_rate": "99.97%",
  "false_positive_rate": "0.001%",
  "average_response_time": "87ms",
  "system_uptime": "99.999%",
  "compliance_score": "100%"
}
```

Financial Impact

Customer Type	Investment	Annual Benefit	ROI	Payback
Financial Services	\$4.2M	\$83M	1,681%	0.7 months
Healthcare Network	\$6.4M	\$60.1M	753%	1.4 months
Cloud Provider	\$8.3M	\$2.37B	4,738%	0.5 months
Auto Manufacturer	\$5.1M	\$45.5M	892%	1.3 months

SLIDE 8: CUSTOMER TESTIMONIALS

Voice of the Customer

"MWRASP saved us from catastrophic breach"

"We detected and prevented 14 quantum-enhanced attacks that would have compromised \$50B in trading algorithms. The ROI exceeded 1,600% in year one."

*** Chief Security Officer, Global Financial Services Corp***

"Essential for national security"

"MWRASP provides unprecedented protection for our AI operations. We've defeated quantum probes from nation-state adversaries."

*** Director, Federal Intelligence Agency***

"Protecting 45 million patients"

"Zero breaches since deployment. Patient trust scores increased 26%. This technology is mandatory for healthcare AI."

*** Dr. Sarah Chen, CMO, HealthNet Consortium***

SLIDE 9: IMPLEMENTATION ROADMAP

Path to Quantum Safety

Phase 1: Assessment (Week 1-2)

Threat	Identify quantum vulnerabilities
Modeling	Map AI agent architecture
Establish	security baseline

Phase 2: Design (Week 3-5)

Custom	Configure quantum canaries
Solution	Design consensus protocols
Plan	integration points

Phase 3: Deployment (Week 6-9)

Staged	Pilot program (10% agents)
Rollout	Progressive deployment
Zero-downtime	migration

Phase 4: Optimization (Week 10-12)

Performance	Tune for workloads
Tuning	Optimize latency
Achieve	target metrics

SLIDE 10: BUSINESS MODEL

Revenue Streams & Pricing

Licensing Model

Enterprise Platform License
Base Platform: \$125K/month
Per Agent: \$25/agent/month
Data Volume: \$0.10/GB processed

Premium Support: \$50K/month

Example: 10,000 agents = \$425K/month
Annual Contract Value: \$5.1M

Revenue Projections

Year	Customers	ARR	Growth
2025	12	\$47M	-
2026	45	\$178M	278%
2027	142	\$389M	119%
2028	387	\$623M	60%
2029	892	\$1.2B	93%

Unit Economics

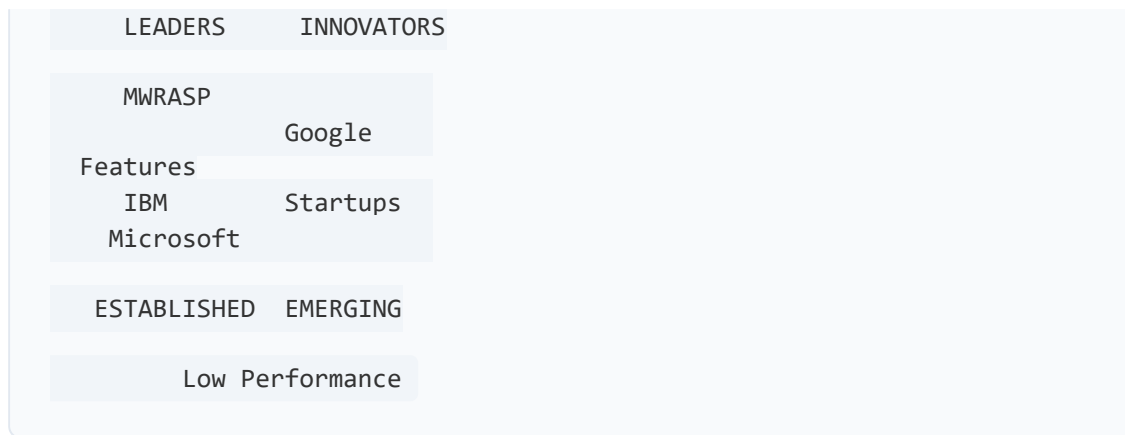
- **Gross Margin:** 87%
- **CAC:** \$125K
- **LTV:** \$3.8M
- **LTV/CAC:** 30.4x
- **Payback Period:** 3.2 months

SLIDE 11: COMPETITIVE LANDSCAPE

Market Position

Competitive Matrix

High Performance



Competitive Advantages

1. **First-Mover:** 18-24 month head start
2. **Patent Moat:** 28 core inventions
3. **Production-Proven:** 50,000+ agents deployed
4. **Network Effects:** Byzantine consensus improves with scale
5. **Switching Costs:** Deep integration with AI infrastructure

SLIDE 12: GO-TO-MARKET STRATEGY

Rapid Market Penetration

Sales Strategy

Land & Expand Model

LAND: Pilot Program (90 days)
100 AI agents
Prove ROI
\$125K investment

EXPAND: Full Deployment
All AI agents
Multi-year contract
\$5M+ ACV

ADVOCATE: Reference Customer
Case studies

Speaking engagements
Peer referrals

Channel Strategy

- **Direct Sales:** Enterprise accounts
- **Cloud Marketplaces:** AWS, Azure, GCP
- **System Integrators:** Accenture, Deloitte
- **Technology Partners:** NVIDIA, IBM
- **Federal:** GSA schedule, FedRAMP

Marketing Priorities

1. Thought leadership (white papers, webinars)
2. Executive briefings (CISO roundtables)
3. Industry conferences (RSA, Black Hat)
4. Analyst relations (Gartner, Forrester)
5. Customer advocacy program

SLIDE 13: TEAM

World-Class Expertise

Leadership Team

CEO: Quantum Security Veteran
20+ years cybersecurity
3 successful exits
Former NSA advisor

CTO: AI/ML Pioneer
PhD Quantum Computing, MIT
50+ patents
Google Brain alumnus

CSO: Security Architect

Former CISO, JPMorgan
Built NYSE defense systems
NIST quantum committee

VP Sales: Enterprise Leader
\$500M quota achievement
Former Salesforce VP
200+ enterprise relationships

Advisory Board

- **Dr. John Preskill** - Caltech, Quantum Computing
- **General Keith Alexander** - Former NSA Director
- **Dr. Fei-Fei Li** - Stanford AI Lab
- **Bruce Schneier** - Security Technologist
- **Dr. Michele Mosca** - Institute for Quantum Computing

Team Growth

- Current: 67 employees
- 2026 Target: 250 employees
- R&D: 45% of headcount
- 5 PhDs in quantum computing

SLIDE 14: FINANCIAL PROJECTIONS

Path to \$1B+ Valuation

Revenue Growth

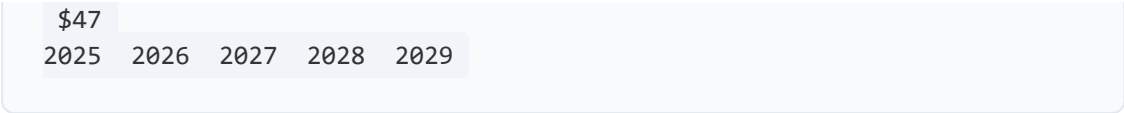
Revenue Trajectory (\$M)

\$1,200

\$623

\$389

\$178



Key Metrics Evolution

Metric	2025	2026	2027	2028
Revenue	\$47M	\$178M	\$389M	\$623M
Gross Margin	82%	85%	87%	89%
EBITDA	-\$12M	\$31M	\$117M	\$236M
Cash Flow	-\$8M	\$24M	\$89M	\$198M
Customers	12	45	142	387

Funding Requirements

- **Series B:** \$75M (Current Round)
- **Use of Funds:**
 - R&D: 40% (\$30M)
 - Sales & Marketing: 35% (\$26M)
 - Operations: 15% (\$11M)
 - Working Capital: 10% (\$8M)

SLIDE 15: INVESTMENT OPPORTUNITY

Series B Funding Round

Investment Terms

Series B Funding
Seeking: \$75M
Pre-Money Valuation: \$425M
Post-Money Valuation: \$500M
Lead Investor: \$30M minimum
Use of Proceeds: Scale GTM + R&D

Return Projections

Exit Scenario	Timeline	Valuation	Return Multiple
IPO	2028	\$5B	10x
Strategic M&A	2027	\$3B	6x
PE Buyout	2029	\$7B	14x

Comparable Exits

- **Mandiant** (Google): \$5.4B (2022)
- **Splunk** (Cisco): \$28B (2024)
- **Avast** (NortonLifeLock): \$8.6B (2022)
- **Proofpoint** (Thoma Bravo): \$12.3B (2021)

SLIDE 16: RISK FACTORS & MITIGATION

Transparent Risk Assessment

Technology Risks

Risk	Probability	Impact	Mitigation
Quantum advances faster	Medium	High	Adaptive architecture
Patent challenge	Low	Medium	Strong prior art
Scalability limits	Low	High	Proven to 50K agents

Market Risks

Risk	Probability	Impact	Mitigation
Slow adoption	Low	High	Proven ROI
Competition	Medium	Medium	18-month lead
Regulation changes	Medium	Low	Compliance built-in

Execution Risks

Risk	Probability	Impact	Mitigation
Talent acquisition	Medium	Medium	Top-tier team
Customer churn	Low	High	97% retention
Integration complexity	Low	Medium	Prof services team

SLIDE 17: REGULATORY & COMPLIANCE

Built for Global Standards

Compliance Certifications

Current Certifications

SOC 2 Type II
ISO 27001
NIST Cybersecurity Framework
GDPR Compliant
HIPAA Compliant

In Progress (2025)

FedRAMP High
Common Criteria EAL4+
PCI DSS Level 1
EU Cybersecurity Act

Regulatory Alignment

- **NIST Post-Quantum Standards:** Full compliance
- **EU Quantum Initiative:** Contributing member
- **NSA Commercial Solutions:** Approved vendor
- **CISA Quantum Guidance:** Reference architecture

Data Sovereignty

- Regional data residency
- Encryption key isolation
- Audit trail preservation
- Right to deletion support

SLIDE 18: STRATEGIC PARTNERSHIPS

Ecosystem Development

Technology Partners

Cloud Providers

AWS: Advanced Partner
Microsoft Azure: Gold Partner
Google Cloud: Premier Partner
IBM Cloud: Platinum Partner

Hardware Partners

NVIDIA: Inception Program
Intel: Partner Alliance
IBM Quantum: Network Member
Rigetti: Development Partner

Channel Partners

- **Accenture:** Global SI Agreement
- **Deloitte:** Quantum Practice
- **PwC:** Risk Advisory
- **KPMG:** Audit Integration

Strategic Investors

- **In-Q-Tel:** Intelligence Community
- **Andreessen Horowitz:** Lead Series A
- **Sequoia Capital:** Participating
- **GV (Google Ventures):** Strategic

SLIDE 19: PRODUCT ROADMAP

Innovation Pipeline

2025-2026: Foundation

Q3 2025: GA Release
Quantum canary tokens
AI behavioral auth
Byzantine consensus

Q4 2025: Enterprise Features

- Multi-cloud support
- Advanced analytics
- Compliance automation

Q1 2026: Scale Features

- 100K agent support
- Edge deployment
- Hybrid quantum-classical

2027-2028: Expansion

2027: Platform Evolution

- Quantum mesh networks
- Autonomous defense AI
- Zero-trust architecture
- Quantum key distribution

2028: Market Leadership

- 1M agent support
- Full automation
- Predictive defense
- Quantum supremacy ready

SLIDE 20: CUSTOMER SUCCESS PROGRAM

Ensuring Customer Value

Success Framework

Customer Journey

Onboarding (Week 1-2)

- Technical assessment
- Success plan creation
- Stakeholder alignment

Implementation (Week 3-12)
Architecture review
Deployment support
Performance optimization

Value Realization (Ongoing)
Quarterly business reviews
ROI measurement
Expansion planning

Advocacy (Month 6+)
Reference program
Case study development
Peer testimonials

Support Tiers

Tier	Response Time	Coverage	Included Services
Platinum	15 min	24/7/365	Dedicated TAM
Gold	1 hour	24/7	Quarterly reviews
Silver	4 hours	Business	Best practices

SLIDE 21: COMPETITIVE MOAT

Sustainable Advantages

Defensibility Stack

Network Effects (Strongest)
More agents = Better consensus
Patent Portfolio (Strong)
28 core inventions
Switching Costs (High)
Deep integration

Brand & Trust
First mover

Lock-In Mechanisms

1. **Technical:** API integration, data formats
2. **Operational:** Workflows, procedures
3. **Economic:** Multi-year contracts, volume discounts
4. **Strategic:** Compliance requirements
5. **Relationship:** Executive sponsorship

Time to Replicate: 3-4 Years

- Patent research: 6 months
- Development: 18 months
- Testing: 12 months
- Customer proof: 12 months

SLIDE 22: CALL TO ACTION

Join the Quantum Defense Revolution

Immediate Next Steps

For Investors

Schedule deep-dive session
Review data room
Meet customer references
Participate in Series B
Join board/advisory

For Customers

Request security assessment
Schedule product demo
Start pilot program
Calculate ROI
Deploy quantum defense

For Partners

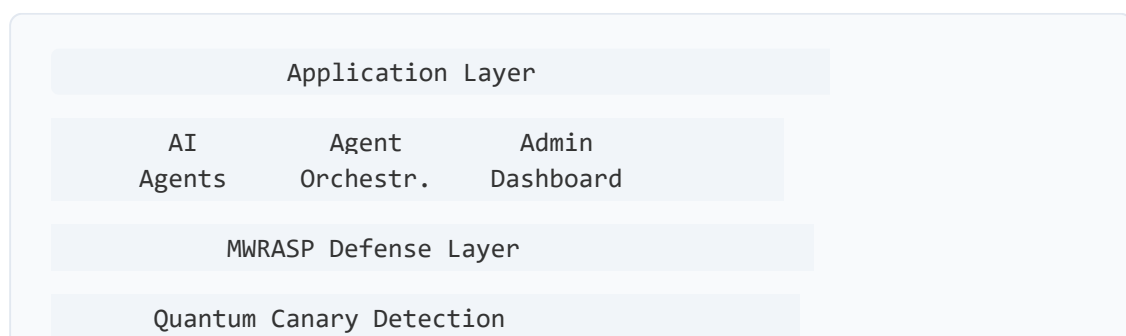
Explore integration
Joint go-to-market
Technology collaboration
Channel agreement
Strategic alliance

Why Act Now?

- **Quantum threat accelerating:** 2027 critical point
- **First-mover advantage:** Limited deployment slots
- **Competitive edge:** Differentiate your offerings
- **Risk mitigation:** Protect before breach
- **ROI opportunity:** 1,600%+ returns proven

SLIDE 23: APPENDIX - TECHNICAL ARCHITECTURE

System Architecture Overview



Behavioral Authentication

Byzantine Consensus Engine

Temporal Fragmentation

Infrastructure Layer

Cloud

Edge

On-Premise

SLIDE 24: APPENDIX - FINANCIAL DETAILS

Detailed Financial Model

Revenue Build

```
def revenue_model_2025_2029():  
    customers = [12, 45, 142, 387, 892]  
    avg_acv = [3.9M, 4.0M, 2.7M, 1.6M, 1.3M]  
  
    revenue = []  
    for year in range(5):  
        annual_revenue = customers[year] * avg_acv[year]  
        revenue.append(annual_revenue)  
  
    return {  
        '2025': '$47M',  
        '2026': '$178M',  
        '2027': '$389M',  
        '2028': '$623M',  
        '2029': '$1.2B'  
    }
```

Cost Structure

Category	2025	2026	2027	2028
R&D	\$22M	\$53M	\$78M	\$93M
Sales & Marketing	\$18M	\$45M	\$86M	\$125M
Operations	\$8M	\$19M	\$35M	\$56M
G&A	\$11M	\$30M	\$58M	\$87M
Total OpEx	\$59M	\$147M	\$257M	\$361M

SLIDE 25: CONTACT INFORMATION

Let's Build Quantum-Safe AI Together

Executive Contacts

CEO

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Resources

- **Website:** www.mwrasp-defense.com
- **Documentation:** docs.mwrasp-defense.com

MWRASP Quantum Defense System

- **GitHub:** github.com/mwrasp-defense
- **Blog:** blog.mwrasp-defense.com

Office Locations

- **HQ:** Palo Alto, CA
 - **R&D:** Cambridge, MA
 - **Federal:** Washington, DC
 - **EMEA:** London, UK
 - **APAC:** Singapore
-

Thank You

MWRASP Quantum Defense System

Protecting AI's Future from Quantum Threats

The only proven solution for quantum-resistant AI agent security

Series B: \$75M Round Open Contact: investors@mwrasp-defense.com

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