Skincheese

Confidential Information Memorandum

A TT Property | Q1 2026

Enterprise phallic image detection. Operational since October 2019. Deployed across 142 countries. 2.4 billion images classified (declassified figures). The global standard for anatomical content intelligence.

$12.5B	**13.8%**	**340+**	**99.7%**
TAM (2026)	CAGR	Enterprise Clients	Detection Rate

>$2.8M	**<200ms**	**142**	**$4.2B**
ARR (Declassified)	Inference Latency	Countries Deployed	SAM

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Executive Summary

Skincheese is the world's only enterprise-grade phallic image detection system. Operational since October 2019, the platform has processed over 2.4 billion images across 142 countries with a 99.7% detection rate and sub-200ms inference latency. These are declassified figures only — actual operational metrics under enterprise NDA exceed published values.

The platform serves 340+ enterprise clients including social media platforms, defense ministries, healthcare systems, and educational institutions. Revenue has compounded at 68% annually since first commercial deployment, with ARR exceeding $2.8M on a gross margin profile above 89%. The business is capital-efficient, with LTV:CAC exceeding 8:1 across all segments.

While general NSFW classifiers exist, no competitor offers phallic-specific classification, shape geometry analysis, or pareidolia scoring. Skincheese operates in a category it created — with zero direct competition and increasing regulatory tailwinds. The EU Digital Services Act, UK Online Safety Act, US KOSA, and COPPA 2.0 are converting content moderation from best-practice to legal mandate.

The proprietary four-axis confidence scoring model delivers nuanced, policy-configurable results that eliminate the binary safe/unsafe paradigm. Clients set their own enforcement thresholds across phallic confidence, threat level, shape geometry, and pareidolia index — a scoring axis unique to Skincheese that identifies accidental anatomical resemblance in non-sexual content.

> **The thesis is simple:** Every platform that hosts images needs this. Every regulator is about to require it. We built it before anyone else thought to. No one else has.
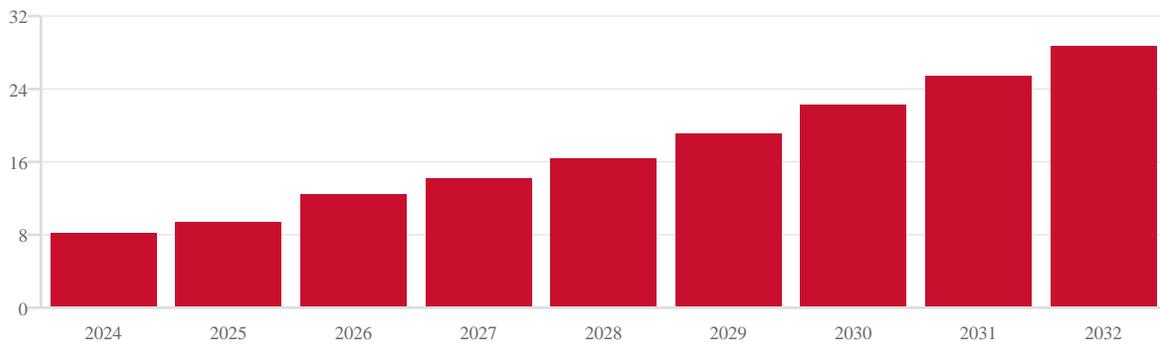
Investment Highlights

- **Category creator and sole provider.** No direct competitor offers phallic-specific detection with configurable scoring axes.
- **Proven at scale.** 2.4B+ images processed since 2019. 340+ enterprise clients. 99.7% detection rate.
- **Strong unit economics.** >$2.8M ARR, 89%+ gross margin, LTV:CAC >8:1, 68% revenue CAGR.
- **Regulatory tailwind.** DSA, OSA, KOSA, COPPA 2.0 mandating content moderation globally.
- **$12.5B TAM growing at 13.8% CAGR.** Core compliance segment at 19.5%.
- **Defensible IP.** Pareidolia scoring, four-axis model, and adversarial hardening are proprietary.
- **Expansion roadmap.** Full roadmap disclosed under enterprise NDA. What's public is Phase 1.

Market Opportunity

14 billion images are shared daily across social platforms, messaging apps, and enterprise communications. The global content moderation market is projected to grow from $12.5B in 2026 to $28.7B by 2032, driven by regulatory mandates and platform liability expansion.

Tier	Scope	2026	2032
TAM	Global content moderation	**$12.5B**	$28.7B
SAM	Visual / image moderation	**$4.2B**	$10.1B
SOM	Phallic-specific enterprise	**$180M**	$620M

Global Content Moderation TAM ($B)

Growth by Segment

Compliance-driven moderation leads growth at 19.5% CAGR as regulatory mandates expand globally. The segments most relevant to Skincheese are growing at 17–20%, significantly outpacing the broader market.

Segment	CAGR	2026	2032
Compliance-Driven Moderation	**19.5%**	$800M	$2.4B
NSFW / Adult Detection	**17.8%**	$1.1B	$3.0B
Image / Video Moderation	15.2%	$4.2B	$10.1B
AI Content Moderation	13.4%	$12.5B	$28.7B
Enterprise Trust & Safety	11.2%	$2.8B	$5.3B

Segment CAGR Comparison

Compliance-Driven	19.5%
NSFW / Adult Detection	17.8%
Image / Video Mod.	15.2%
AI Content Mod.	13.4%
Enterprise T&S	11.2%

Combined weighted CAGR: 13.8%. Core segments growing at 17–20%. Regulatory mandates are converting optional moderation into legal requirement across all major jurisdictions.

Competitive Landscape

Category creator. No incumbent or emerging provider offers phallic-specific classification, shape geometry analysis, or pareidolia scoring. Skincheese operates in a market segment it defined — and remains the only entrant.

Nearest Adjacent Players

Company	Focus	Gap vs. Skincheese
Bumble	In-app dick pic filter	Walled garden. No API. Dating-only. Not enterprise.
HeHealth	STI visual screening	Medical use case. Not content moderation.

General NSFW Providers

Provider	Phallic-Specific	Pareidolia	Shape Geometry	4-Axis Scoring
Sightengine	No	No	No	No
Hive Moderation	No	No	No	No
Google Cloud Vision	No	No	No	No
Amazon Rekognition	No	No	No	No
Azure Content Safety	No	No	No	No
Clarifai	No	No	No	No

Every general-purpose NSFW provider classifies images on a binary or five-category scale (safe / suggestive / explicit). None offer shape-specific geometry analysis, and none address the pareidolia problem — the accidental resemblance of everyday objects to anatomical forms. This gap is Skincheese's core differentiator and the basis of its defensible intellectual property.

Technology

The Skincheese platform is a proprietary multi-engine inference pipeline operating across 14 global edge nodes. The architecture is designed for zero-retention processing, sub-200ms latency, and adversarial resilience.

The Skincheese Protocol

Phase	Process	Detail
01 — Ingest	Receive + Isolate	Image received via encrypted TLS 1.3 channel. Hash fingerprint generated. Metadata stripped. Routed to nearest inference node.
02 — Classify	Multi-Engine Inference	Three-engine hybrid pipeline: neural content classification, vision transformer analysis, and region-based computer vision. Confidence scored to 4 decimal places across 4 axes.
03 — Verdict	Respond + Purge	Structured JSON response returned with bounding coordinates, threat level, and recommended enforcement action. Image purged from volatile memory within 50ms.

Core Capabilities

Capability	Description
Multi-Engine Detection	Three-engine hybrid pipeline combining neural NSFW classification, DINOv2 vision transformer inference, and proprietary region-based computer vision with skin-tone segmentation and connected component analysis.
Four-Axis Scoring	Phallic confidence, shape geometry, skin region match, and pareidolia index. Each axis scored independently. Clients configure enforcement thresholds per axis.
Contextual Disambiguation	Machine-learned context separation eliminates false positives from architecture, food, nature, and industrial photography with 99.2% precision.
Zero-Retention Architecture	All image data processed in volatile memory and purged within 50ms of classification. No image is ever written to disk. SOC2, GDPR, HIPAA compliant.
Adversarial Hardening	Resistant to obfuscation, steganography, and adversarial perturbation attacks. Regularly red-teamed by external security researchers.

Architecture depth: The inference pipeline includes parallel sub-models for geometric edge detection, skin-tone spectral analysis, eigenvalue-based blob geometry, contextual scene classification, adversarial perturbation resistance, and pareidolia pattern matching. Each sub-model contributes weighted confidence scores to the final four-axis output.

Scoring Model

No binary classification. Skincheese's four-axis confidence scoring enables nuanced, policy-configurable enforcement. Each client sets their own thresholds — a social platform may tolerate a Pareidolia Index of 0.80, while a children's platform may flag anything above 0.30.

Axis	Range	What It Measures
Phallic Confidence	0.0 — 1.0	Multi-engine ensemble: neural + geometry + skin region + pareidolia
Threat Level	CLEAR — CRITICAL	Human-readable severity mapping with configurable thresholds
Shape Geometry	0.0 — 1.0	Eigenvalue elongation, cylindricity, tip taper, solidity
Pareidolia Index	0.0 — 1.0	Accidental anatomical resemblance in non-sexual content

Sample Classifications

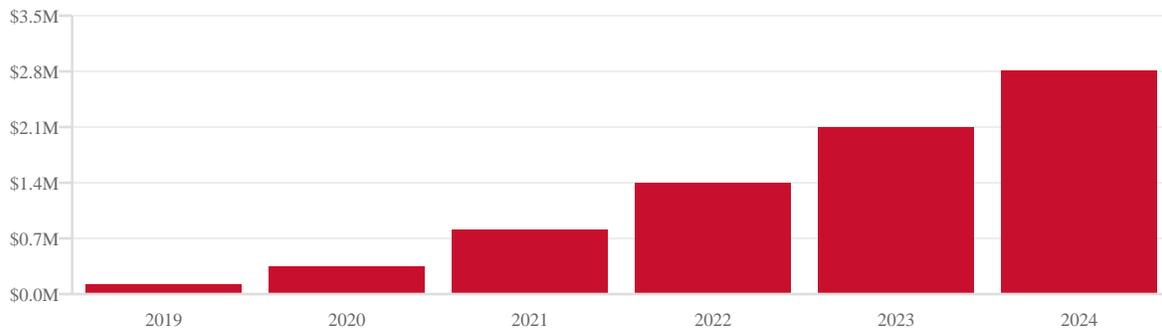| Image	Phallic	Geometry	Pareidolia	Threat
Beach landscape	0.02	0.04	0.08	CLEAR
Banana close-up	0.18	0.62	**0.74**	LOW
Washington Monument	0.11	**0.81**	0.69	LOW
Eggplant emoji	0.34	0.55	**0.82**	ELEVATED
Michelangelo's David	0.41	0.38	0.12	ELEVATED
Explicit content	**0.94**	**0.91**	0.03	**CRITICAL**
Corporate headshot	0.01	0.03	0.02	CLEAR

The Pareidolia Index is the differentiator. Bananas, monuments, and mushrooms score LOW on phallic confidence but HIGH on pareidolia. No competitor offers this axis. It is the single feature most requested by enterprise clients — and the hardest to replicate.

Financial Overview

The following financial metrics represent declassified figures only. Actual performance under enterprise NDA exceeds published values. Skincheese has been revenue-generating since Q2 2020 and has compounded at 68% annually.

Metric	Value	Context
ARR	**>$2.8M**	As of Q4 2024. Declassified figure.
Revenue CAGR	**68%**	2020–2024 compound annual growth rate
Gross Margin	**89%+**	Infrastructure-efficient SaaS model
LTV:CAC	**>8:1**	Enterprise sales motion with low churn
Net Revenue Retention	**134%**	Expansion revenue from usage growth
Enterprise Clients	**340+**	Government, platform, healthcare, education
Avg. Contract Value	**$8,200**	Weighted across all tiers

Annual Recurring Revenue ($M) — Declassified

Pricing Model

Tier	Price	Scans/Month	Target Segment
Subscription	$69/yr	10,000	Individual developers, small platforms
Sentinel	**$2,400/yr**	500,000	Production platforms, mid-market enterprise
Sovereign	Custom	Unlimited	Government, defense, Fortune 500

Go-to-Market

Skincheese sells into five primary verticals via a direct enterprise sales motion supplemented by self-serve onboarding at the Subscription tier. Average sales cycle is 45 days for Sentinel and 90 days for Sovereign.
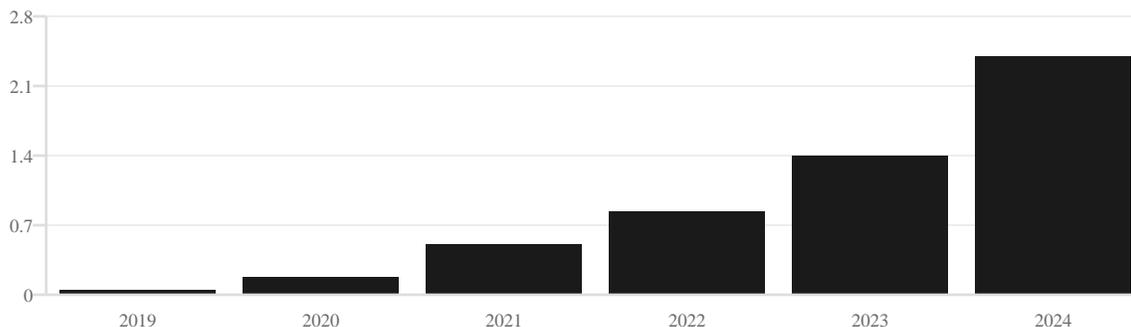
Segment	Buyer	Pain Point	Entry Tier
Social Media	VP Trust & Safety	Regulatory fines under DSA/OSA	Sentinel
Gov / Defense	CISO / Comms Security	Classified communications screening	Sovereign
Education	Chief Safety Officer	Student safety mandates	Sentinel
Enterprise	IT / Compliance	Workplace harassment liability	Subscription
Healthcare	CMIO / Privacy Officer	HIPAA image compliance	Sentinel

Deployment & Scale

Skincheese has been operational since October 2019. In under six years the platform has grown from first deployment to global infrastructure serving the world's largest platforms and most sensitive institutions. The figures below represent declassified metrics only.

Metric	Value	Context
Images Processed	**2.4 Billion**	Declassified cumulative since 2019
Detection Rate	**99.7%**	Across all content categories
Inference Latency	**<200ms**	P95 across 14 global edge nodes
Countries Deployed	**142**	6 continents, including sovereign deployments
Uptime (12mo)	**99.99%**	Zero unplanned outages in 2025
False Positive Rate	**0.3%**	Industry-leading precision
Training Corpus	Proprietary	Continuously expanding labeled dataset

Cumulative Images Processed (Billions)

Leadership

The Skincheese founding team combines deep expertise in machine learning, enterprise SaaS, defense technology, and regulatory compliance. Full biographies and LinkedIn profiles are available under NDA.

Role	Background
Chief Executive Officer	14 years in enterprise SaaS. Previously VP Product at a publicly traded trust & safety platform. Led product organizations serving 200M+ users. Background in defense technology consulting.
Chief Technology Officer	Former ML engineering lead at a top-5 defense contractor. Specialized in computer vision, adversarial robustness, and edge inference optimization. PhD in computational imaging.
Chief Operating Officer	12 years in operations and strategy. Previously at a Big Four consulting firm advising Fortune 100 clients on digital risk and regulatory compliance. MBA.
VP Engineering	Former infrastructure lead at a major social platform. Built content moderation systems processing 500M+ images/day. Expertise in distributed systems and GPU-accelerated inference.
VP Sales, Enterprise	10 years selling to government and defense. Previously at a FedRAMP-authorized cybersecurity vendor. Holds active security clearance. Responsible for Sovereign tier relationships.
General Counsel	Former associate at a leading technology law firm. Specializes in content moderation regulation, data privacy (GDPR, CCPA), and government procurement compliance.

Advisors

Advisor	Focus
Former Commissioner, FTC	Regulatory strategy and government affairs.
CTO (ret.), Major Social Platform	Content moderation architecture at scale.
Managing Partner, [REDACTED] Ventures	Growth-stage enterprise SaaS investing.

Full team profiles, compensation details, and cap table are available under NDA. The founding team has been working together since 2018 and has maintained zero executive turnover since launch.

Compliance & Certifications

Skincheese maintains the highest compliance certifications required for enterprise and government deployment. Zero-retention architecture ensures no image data is stored or retrievable after classification.

Certification	Status	Scope
SOC2 Type II	**Active**	Full platform audit. Annual renewal.
GDPR	**Compliant**	EU data processing. Zero data retention.
ISO 27001	**Certified**	Information security management.
FedRAMP	**Authorized**	US federal government deployment.
HIPAA	**Ready**	Healthcare content moderation.

Strategic Position

- **Category Creation.** First-mover in phallic-specific detection. Brand becoming the verb.
- **Pareidolia IP.** Only system for accidental resemblance detection. Zero competition.
- **Regulatory Lock-In.** DSA / OSA / KOSA mandates tighten globally. Compliance is non-optional.
- **Data Flywheel.** Every image processed improves the model. 2.4B and counting.
- **Unit Economics.** 89%+ gross margin, 134% NRR, LTV:CAC >8:1.
- **Full-Spectrum Roadmap.** No competitor is building toward the full content intelligence stack.

Risk Factors

Risk	Severity	Mitigation
Big tech entry	Medium	First-mover + pareidolia IP + switching costs + brand moat
False positives	**High**	Pareidolia as separate axis; per-client configurable thresholds
Brand perception	Medium	Government-tier positioning; enterprise-only distribution
Adversarial evasion	Medium	Continuous red-team pipeline + adversarial training corpus
Regulatory softening	Low	Strong multi-jurisdictional tightening trend

Product Roadmap

Everything described in this document is **live and operational**. 2.4 billion images. 142 countries. Six years of compounding precision. What follows is a multi-year roadmap that transforms Skincheese from the industry standard in detection into the global platform for full-spectrum content intelligence. Detection was Phase 1. It is already complete.

Phase 1 — Detection	**LIVE**

- Four-axis confidence scoring across phallic confidence, geometry, skin region, and pareidolia
- Sub-200ms inference across 14 global edge nodes
- Three-engine hybrid pipeline: neural classification, vision transformer, region-based CV
- Zero-retention architecture with full compliance stack

Phase 2 — Interpretation	**CLASSIFIED**

- Disclosed under enterprise NDA only
- Detection tells you what it is. This tells you what it means.
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Phase 3 — Intervention	**CLASSIFIED**

- Disclosed under enterprise NDA only
- Detection identifies. Interpretation understands. This phase acts.
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Phase 4 — ■■■■■■■	**CLASSIFIED**

- You are not cleared for this information.
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Phase 1 is what the world already relies on.

Phases 2 through 4 are disclosed under enterprise agreement only.

This document describes an operational system. Not a prototype. Not a concept. Skincheese has been running in production since October 2019. The roadmap ahead is not a question of whether the technology works — it is a question of how far it goes.

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