**Executive Summary**

AEON (Advanced. Efficient. Optimized. Network.) is an AI-powered video generation platform that creates viral TikTok content through intelligent automation. Unlike prompt-based tools, AEON combines trend analysis with smart video assembly to produce professional-quality content at scale.

Market Opportunity: $12B short-form video market growing 25% annually

Business Model: SaaS with tier-based pricing ($25-$100/month)

Competitive Advantage: Smart Assembly Engine - our proprietary AI that edits like a human

**Product Architecture - Core Technology Stack**

Frontend: Next.js 15, TypeScript, Tailwind CSS

Backend: Vercel serverless functions, Postgres database

AI Models: OpenAI GPT-4o, Replicate video generation APIs

Video Processing: FFMPEG with custom assembly algorithms

**3-Stage Pipeline**

Stage 1: Content Intelligence

AI analyzes user prompts for viral potential

Generates optimized scripts with hook-body-CTA structure

Identifies visual themes and style preferences

Stage 2: Video Generation

Creates 5-8 video segments using premium AI models

Assigns quality tiers based on scene importance

Processes in parallel for speed optimization

Stage 3: Smart Assembly (Secret Sauce)

AI-powered editing that mimics professional video editors

Intelligent transitions, pacing, and music synchronization

Transforms clips into cohesive 15-60 second videos

**Business Model**

Pricing Tiers

Free: 5 videos/month, watermarked, basic quality

Creator ($25/month): 15 videos/month, HD quality, no watermark

Pro ($50/month): 25 videos/month, premium models, advanced features

Ultimate ($100/month): 50 videos/month, priority processing, white-label

**Revenue Projections**

Year 1: $500K ARR (1,000 paid users average $42/month)

Year 2: $2.5M ARR (5,000 paid users, enterprise deals)

Year 3: $8M ARR (15,000 paid users, platform partnerships)

**Key Metrics**

Customer Acquisition Cost (CAC): $35

Lifetime Value (LTV): $420 (12-month average retention)

LTV/CAC Ratio: 12:1

Gross Margin: 78% (after AI model costs)

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**Competitive Analysis**

Direct Competitors

InVideo AI: Manual script input, $20-60/month, limited automation

Predis AI: Basic generation, $32-399/month, no assembly intelligence

Argil: Semi-automated, requires integration setup

**AEON Advantages**

Zero Manual Input: Fully automated from prompt to final video

Smart Assembly: Professional editing intelligence vs basic stitching

Tier Optimization: Right quality/cost balance for each user segment

Speed: 3-5 minute generation vs 15-30 minutes for competitors

**Technology Differentiation**

Smart Assembly Engine (Patent Pending)

Our proprietary AI analyzes successful video patterns to:

Calculate optimal scene transitions based on content flow

Sync visual beats with narrative pacing

Apply professional editing techniques automatically

Optimize for platform-specific engagement patterns

**Model Selection Intelligence**

Hook scenes: Premium models (Kling Pro) for maximum impact

Body content: Balanced models (Haiper 2.0) for cost efficiency

Call-to-action: Reliable models (LumaRay) for consistency

**Market Validation**

Target Market Size

Total Addressable Market: $12B (global video creation software)

Serviceable Addressable Market: $2.8B (AI video generation)

Serviceable Obtainable Market: $280M (automated short-form video)

**Customer Segments**

Content Creators (40%): Individual influencers, small businesses

Marketing Agencies (35%): Social media management, client services

E-commerce Brands (25%): Product marketing, social commerce

**Revenue Model**

Monthly Subscriptions: 85% of revenue

Enterprise Licenses: 10% of revenue

Usage Overages: 5% of revenue

**Risk Analysis**

Technical Risks

AI Model Dependencies: Mitigated by multi-provider strategy

Video Processing Costs: Managed through tier-based optimization

Scalability: Vercel serverless architecture handles growth

**Market Risks**

Competition: First-mover advantage with Smart Assembly

Platform Changes: Multi-platform strategy reduces dependency

Economic Downturn: Freemium model maintains user base

**Team & Execution**

Core Team

Technical Founder: Full-stack development, AI integration

Domain Expertise: Video marketing, social media growth

Advisory: Industry veterans from TikTok, YouTube, Adobe