

CASE STUDY



AI Property Intelligence that Moves Markets.

Global AI property valuation, wealth tracking, and macro intelligence.



Global AVM



Portfolio Tracking



Macro Simulators



AI News

PROPTRADER.AI Step 2/3 50%

Hello, !

Where is your property located?
Enter the full address below.

PROPERTY ADDRESS

10442 Calumet Grove Drive
Fairfax VA 22032, USA

Find My Property →

Use a sample address →

PROPTRADER.AI Step 3/3 75%

Describe key property features and specifications.

3 Beds 2 Baths

Renovated Garden Parking High Ceilings
Modern Kitchen Balcony Pool Furnished

Details will appear here as you type or speak...

+ Type or upload your response

AI CAN MAKE MISTAKES, SO DOUBLE-CHECK IT

Get AI Valuation →

PROPTRADER.AI

93% COMPILING

AVM Compiling core
SYNTHESIZING 10-YEAR MONTE CARLO GROWTH RATES...

- Grounded 10442 Calumet Grove Drive Fairfax VA 22032 Comps Scouted
- Municipal Registers Scanned
- Infrastructure Deltas Loaded
- 10-Year Monte Carlo Valuation Curve Built

PROPTRADER APPRAISAL MODEL V2.1

SYNTHESIS COMPLETE

Property Passport Ready

Click the holographic credit card to flip and reveal your grounded live AVM market evaluation.

PROPTRADER SECURE AVM

PROPERTY ADDRESS

10442 Calumet Grove Drive Fairfax VA 2203...
10442 CALUMET GROVE DRIVE FAIRFAX VA 22032, USA

PASSPORT CLASS
A-1 ASSET SECURED

CLICK TO REVEAL →

UNLOCK EXECUTIVE DASHBOARD →

PROPTRADER.AI WEALTH TERMINAL

VALUATION & THESIS

MY PORTFOLIO (3)

MARKETS SIMULATOR

LOCAL & GLOBAL NEWS

47 W 13th St, New York, NY 10011, USA
NEW YORK, USA

AI GROUNDED VALUATION
\$437,551 + \$51 (0.01%) Today

AI Valuation Drivers

Metro Line Expansion (0.5 mi)
A new metro line is planned nearby, structurally adding a permanent demand floor to your area.
APPRAISAL LIFT
+\$26,250 +6.0%

Diamond Bourse Corporate Migration
High-income earners relocating to the Diamond Bourse are driving up premium residential demand.
APPRAISAL LIFT
+\$54,688 +12.5%

Interest Rate Cut Forecast



Markets Simulator

Simulate macro scenarios and their impact on valuations

ACTIVE CALIBRATION TARGET
47 W 13th St, New York, NY 10011, USA
Apartment • Bought 2018 • New York, USA

SIMULATED EXIT VALUATION

GOVERNMENT INTEREST RATE SHIFT Neutral 0.0%

EASING (-0.1%) TIGHTENING (+0.1%)

REGIONAL DEMAND INDEX Stable 10

RECESSION BOOM

Global Market Intelligence

AI-driven macro & real estate trends

GLOBAL MACRO BULLISH

Iran peace deal, SpaceX IPO and World Cup concerns - Reuters

READ FULL ARTICLE →

AI INSIGHT

The combination of a potential Iran peace deal and a successful SpaceX IPO contributes to a positive...

GLOBAL MACRO BULLISH

Stocks rise as SpaceX makes market debut; oil slides on Gulf peace hopes - Reuters

READ FULL ARTICLE →

AI INSIGHT

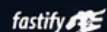
Rising stock markets generally reflect a healthy economy, which can boost consumer confidence and...

SHOW MORE

DISCUSSION



Next.js



Fastify



Supabase



Vertex AI

From Address to AVM

A guided flow from property input to grounded valuation.

1. Enter Address

PROPTRADER.AI

Step 1/3 50%



Hello, !

Where is your property located?
Enter the full address below.

PROPERTY ADDRESS

 10442 Calumet Grove Drive
Fairfax VA 22032, USA

Find My Property →

Use a sample address →

2. Add Specs

PROPTRADER.AI

Step 2/3 75%

Describe key property features and specifications.

− 3 Beds +

− 2 Baths +

Renovated

Garden

Parking

High Ceilings

Modern Kitchen

Balcony

Pool

Furnished

Details will appear here as you type or speak...

+ Type or upload your response





← AI CAN MAKE MISTAKES, SO DOUBLE-CHECK IT

🧙 Get AI Valuation →

3. Compile AVM

PROPTRADER.AI

Step 3/3 100%

93%

COMPILING

🧙 AVM Compiling core

SYNTHESIZING 10-YEAR MONTE CARLO GROWTH RATES...

✓ Grounded 10442 Calumet Grove Drive
Fairfax VA 22032 Comps Scouted

✓ 10442 Calumet Grove Drive Fairfax VA 22032
Municipal Registers Scanned

✓ 10442 Calumet Grove Drive Fairfax VA 22032
Infrastructure Deltas Loaded

✓ 10-Year Monte Carlo Valuation Curve Built

PROPTRADER APPRAISAL MODEL V2.1

4. Reveal Passport

SYNTHESIS COMPLETE

Property Passport Ready

Click the holographic credit card to flip and
reveal your grounded live AVM market evaluation.

PROPTRADER SECURE AVM



PROPERTY ADDRESS

10442 Calumet Grove Drive
Fairfax VA 22032, USA

 10442 CALUMET GROVE DRIVE
FAIRFAX VA 22032, USA

PASSPORT CLASS

A-1 ASSET SECURED

CLICK TO REVEAL →

UNLOCK EXECUTIVE DASHBOARD →



US MLS / RentCast



Global AI AVM



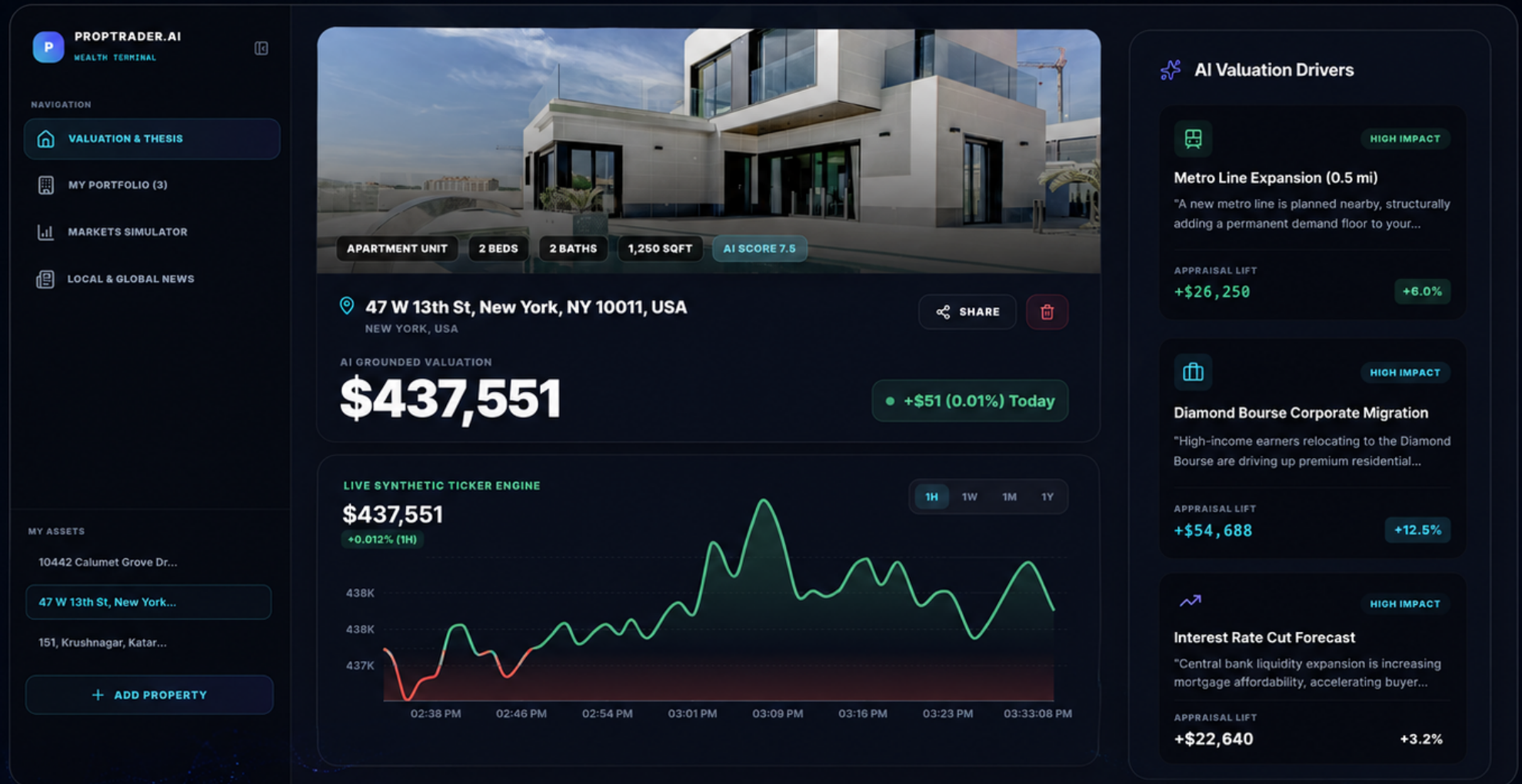
Monte Carlo Projection



PDF Appraisal

Grounded Valuation Intelligence.

Live pricing, synthetic ticker movement, and thesis drivers.



Live Comps

Real-time synthetic pricing engine.



AI Thesis Drivers

High-impact signals driving valuation lifts.



10-Year Growth Logic

Forward-looking fundamentals power long-term value.

Portfolio Wealth Terminal

Track multiple properties as one live real-estate balance sheet.



Scenario-Based Valuation

Stress-test property value against macro shocks and physical specs.

P PROPTRADER.AI
HEALTH TERMINAL

NAVIGATION

VALUATION & THESIS

MY PORTFOLIO (3)

MARKETS SIMULATOR

LOCAL & GLOBAL NEWS

MY ASSETS

10442 Calumet Grove Dr...

47 W 13th St, New York...

151, Krushnagar, Katar...

+ ADD PROPERTY

 **ACTIVE CALIBRATION TARGET**
47 W 13th St, New York, NY 10011, USA
Apartment • Bought 2026 • New York, USA

[Download Report](#)

 **SIMULATED EXIT VALUATION**

\$546,875 ↗ +25.0%

Baseline: \$437,500

 **Macro-Economic Shocks**

SOVEREIGN INTEREST RATE SHIFT Neutral 0.0%

EASING (-2%) TIGHTENING (+3%)

REGIONAL DEMAND INDEX Stable (0)

RECESSION BOOM

 **Physical Property Specs**

GROSS FLOOR AREA (SQFT) 1,250 sqft

BEDROOMS

1 2 3 4 5

FINISH QUALITY

Typical Finishing



Interest Rate Shift

Model rate moves and monetary policy impact.



Demand Index

Simulate regional demand cycles and absorption.



Property Specs

Adjust physical attributes to reflect real-world levers.



Exit Valuation

See the projected value under each scenario.

AI News + Enterprise Architecture

Curated market intelligence backed by a decoupled full-stack system.

The screenshot displays the PROPTRADER.AI web application. The header includes the logo and a 'HEALTH TERMINAL' status. A navigation sidebar on the left lists sections like 'VALUATION & THESIS', 'MY PORTFOLIO (3)', 'MARKETS SIMULATOR', and 'LOCAL & GLOBAL NEWS'. The main content area is titled 'Global Market Intelligence' with a 'LIVE' indicator. It features a grid of news articles and AI insights. The first article, from Reuters, discusses the Iran peace deal, SpaceX IPO, and World Cup concerns. The second article, also from Reuters, reports on stock market gains following the SpaceX IPO and oil price fluctuations. The third article, from CNBC, analyzes the factors influencing the stock market's performance last week. The fourth article, from Reuters, mentions Trump's announcement regarding a deal to end the conflict with Iran. Each article includes a brief summary, a 'READ FULL ARTICLE' link, and an 'AI INSIGHT' section. The AI insights provide additional context and analysis on the news items.



Frontend

Next.js 16 + TypeScript + TailwindCSS

▲ Vercel



Backend

Fastify

Railway



Data & AI

Supabase

Vertex AI

RentCast

Finnhub

JWT Secured

CORS Protected

PDF Reports