National Commercial Real Estate Research and Marketing

Prospecting
Tenants & True Ownership
National / Local Listings Exposure
Listing Traffic & Leads
Broadcast Emailing
Needs & Wants Board
Financial & Mortgage Data
Verified Comps

Contact us at 800-574-9185 x803

Model Analytics

Data

CMM

- » Custom Forecasts
- » Stress Testing
- » Loan Valuation
- » Climate
- » CECL/IFRS9

CreditLens CRE

- » Benchmarking
- » Ratings
- » Approval/ Closing
- » Deal Pipeline
- » Issue Term Sheet
- » Cash Flow Analysis
- » Deposit Tracking
- » Transaction Settling



MOODY'S CRE

- » Pre-Research
- » Prospecting
- » Benchmarking
- » Listings
- » Deal Pipeline
- » Screening Opportunities
- » Tenant Roster

CPM

- » Data Consolidation
- » Tenant Analytics
- » Stress Testing
- » Portfolio Monitoring
- » Sensitivity Analysis
- » Benchmarking

Workflow Solutions

Moody's CRE Ecosystem

										CAPA	BILITIES									
	Market Evaluation				Screening Opportunity	Issue Term Sheet	Benchmarking	Cash Flow Projection	Tenant Roster	Approvai	Closing/ Settle Transaction	Re-Underwriting	Data Consolidation	Portfolio Management	Tenant Analytics	Stress Testing	Loan Valuation	Climate	CECL/ IFRS9	Custom Forecasts
MOODY'S CRE		•	⊘		⊘	-	•		⊘		-	⊘		•						
СРМ							•						•	•	•	•	•			
СММ							•	•								•	⊘			•
CMM CL CRE				•	⊘	•	•	•		•	•	⊘		•	⊘				•	
COD							⊘											•		
CRE 360		⊘					•	•					•			⊘				

Moody's CRE Capabilities

Workflow Analytics Data

Market Data



Expansive Coverage



Custom Reports



Ingestion Engine



Sensitivity Analysis





Deal Pipeline



Loan Sizing



Portfolio Management



Scenario Builder



Risk Rating



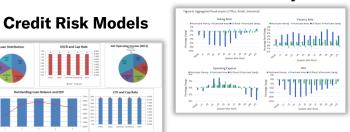
Loan Valuation



Loan Analysis



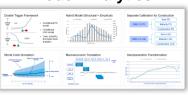
Climate Analytics



Regulatory Modelling



Model Analytics

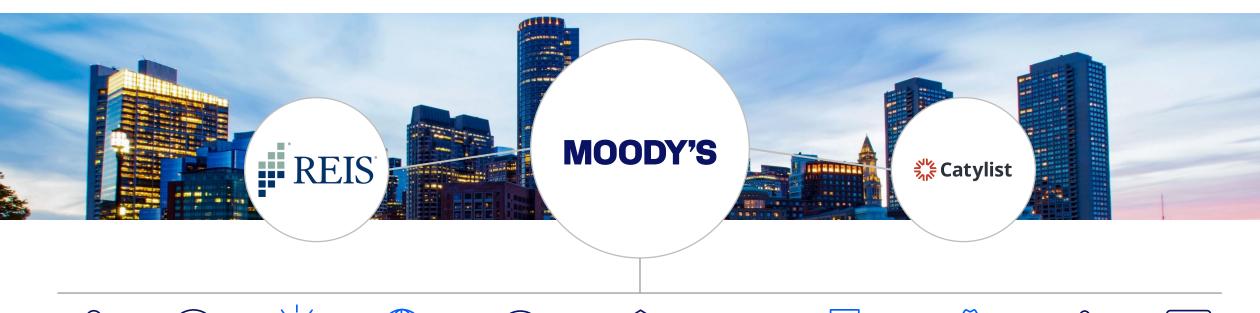




Listing Availabilities

Building a Comprehensive CRE Platform

Moody's CRE continues to invest in CRE tools, capabilities and research to provide the most robust platform for customers with an extensive and growing network of CRE products and services





Acquisition

& Expansion







Rich CRE Intelligence



Strategic Partnerships



24/7 Global Research Team



Moody's reputation



Existing customer base



Multi-asset platform to build on



Market standards expertise



Third Party Data Feeds



Proprietary Models & Scenarios

CRE Content Collection



(22)





Manual Research

Via Public websites, social media and news

1:1 Surveys

Research team conducts surveys via email and phone

Expansive Network

Partners, vendors, data contributors & internal data

Public Records

Title, Tax, Fannie Mae, Freddie Mac, CMBS, etc.



MA Data Alliance

Consortia of customer contributed data



Workflow Tools

Data fuel via Banking, Insurance and Asset Management Solutions

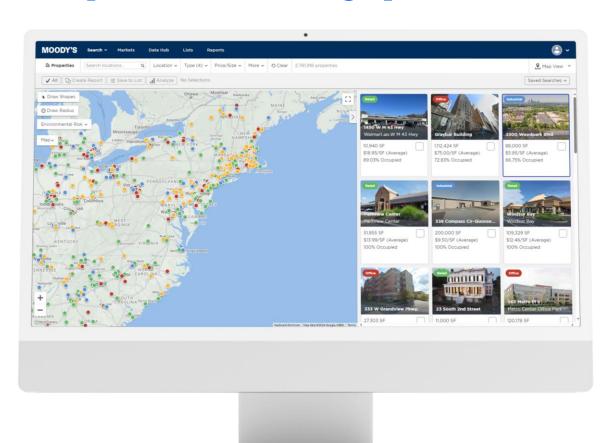


34,000+ Broker Listings

Performance analytics, granular property data, market forecasts/trends

Evaluate CRE Confidently with Moody's CRE

A modern platform that brings multiple perspectives to CRE practitioners in a single platform.





Easy-to-use platform with decision-useful information



Property-level insights and market trends and intelligence



Validated and modeled performance metrics



Surface actionable insights to drive better decisions



Inventory discovery and data enrichment



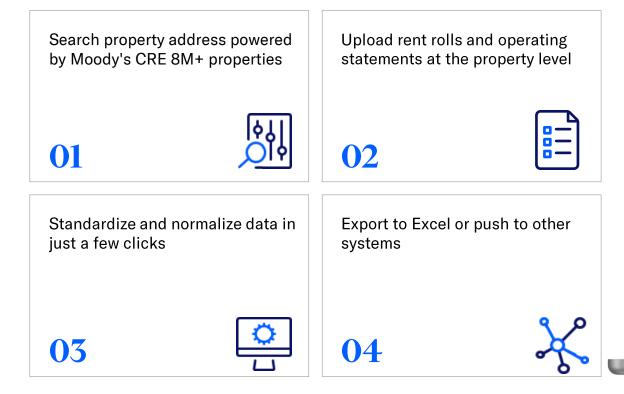
Economic narratives and trusted trends and forecasts

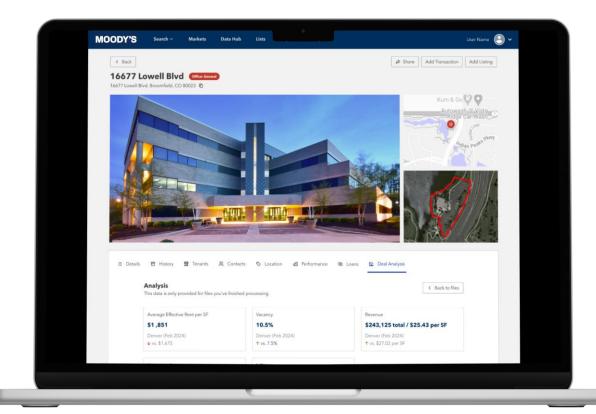


Bottom-up **granular research process** to view listings, space-level information, and aggregate building metrics

Digitize, Normalize, Analyze

Say goodbye to manual data entry, and hello to efficiency





Streamline your operations with digitization, delivering fast, precise and secure data processing

Moody's Data Sets

Availabilities, Sale & Lease comps

Tenant Data

Sale & Lease Listings

Off Market Properties

Building Emissions Policy

Public Loan Information



CRE Directory

Location Scores

True Owner & Property Contacts

Environmental Risk Data

Cap Rates

Zillow Rental Data

CMBS, Fannie Mae, Freddie Mac

Retail Foot Traffic

Market Performance Analytics

Construction Data

Demographics

Market Reports

Expansive Curated Data

Moody's CRE provides expansive property and performance data with layered details beyond tax records

Asset Attributes

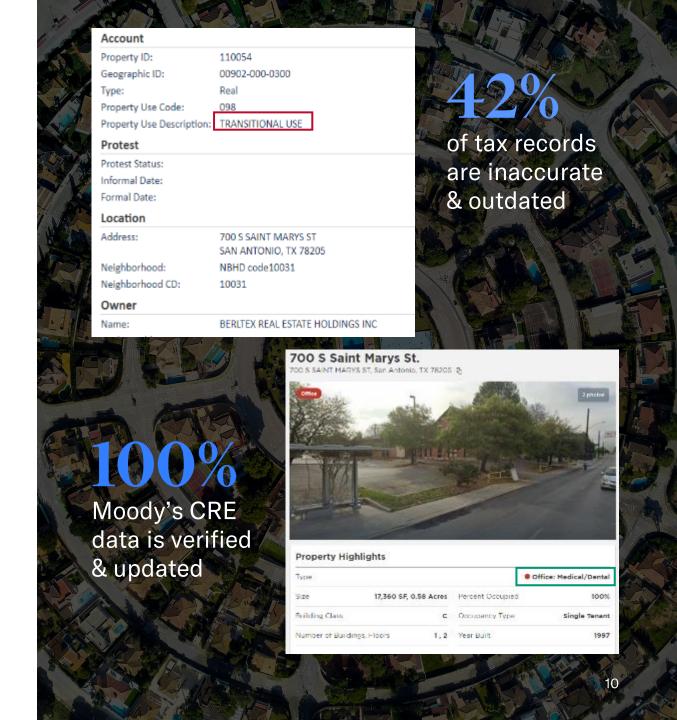
Name, county, year built, building class, # of buildings and floors, building and average size (units), lot size (sq. ft and acres), opportunity zone, true owner, tenants, climate, and location risks, new construction details, and statuses, etc.

Listings & Transactions

Sale and lease details and history, including dates, asking rent, close dates, transacted rent, sale amount, sale price (per unit & sq. ft.), financing details, cap rates, deed reference, transaction type

Performance Data

Market level insights including absorption rate, NOI, average asking price, valuations, and cap rates as well as unit mix, asking rent, current rent, vacancy rates, average unit size in sq. ft, trends by year



Enhanced Decision Making

Help commercial lenders, investors, brokers, and other CRE market participants make better, faster decisions



40+ years of coverage providing key insights into all historic CRE cycles and recoveries



Key insights and thought leadership from well-respected Ph.D. economists



Dynamic visualizations and analytics to speed up decision-making and support due diligence

Quickly Analyze Market Comparables

Easy-to-use comps experience providing a range of powerful filter options for benchmarking

Interact with maps and filters to focus on specific regions or property characteristics

Simple to create for lease and sale listing, and sale comp analysis for same-like properties



By analyzing comps, CRE professionals gain insights into market trends, pricing, and demand for specific types of properties and locations to make informed investment decisions.

Navigate the Market with Lease Transaction Data

- → Access a comprehensive database of lease comps, lease start rates, and recently transacted leases from CMBS data, research efforts, broker and admins.
- → Assess how competitive an offer is, identify opportunities for property improvement or repositioning, and make necessary adjustments to align with market trends



Lease Comps

Curated, accurate, and up-to-date lease comps linked at the property level.



Starting Rates

Verified starting rates from brokers and third-party sources after a lease has occurred.



Lease Transactions

Tracked "leased" transactions through proprietary research methodology.

Accelerate Due Diligence and Operational Efficiency



Unified data, analytics, and workflows



Custom presentation-ready reporting

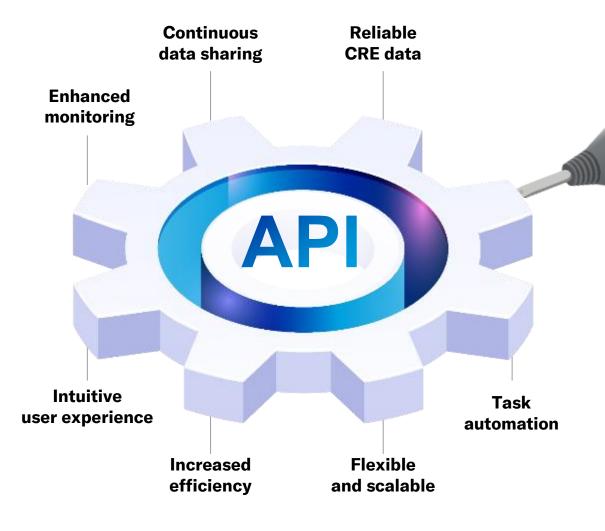


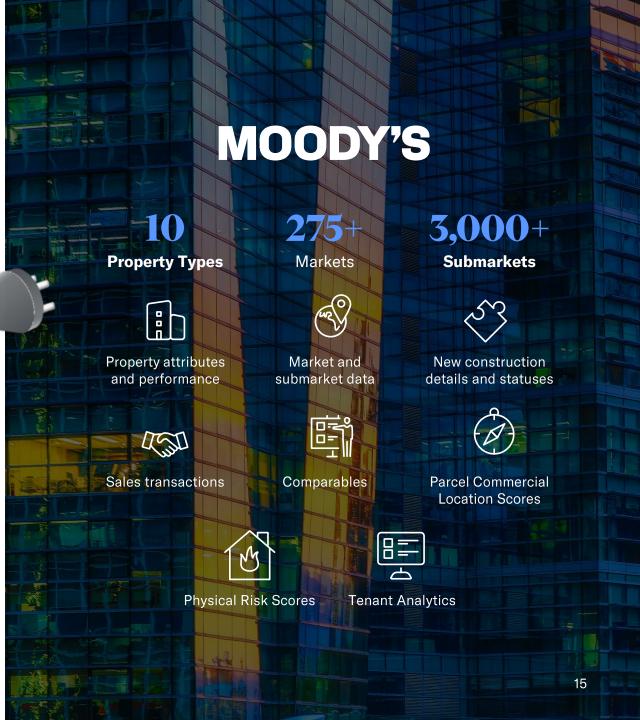
Multiple delivery channels to support client integrations





Let's Build Together





MOODY'S

Industry-leading CRE market performance platform. Showing you where the business is and where to find lasting value.



FEATURES & FUNCTIONALITY

- → Property-centric Model
- → Integrated Market and Submarket Pages
- → Enhanced Search & Comp Analysis
- → Dynamic Map Visualizations & Layering
- → Granular Property Details
- → Performance KPIs & Trends
- → Economic Insight Narratives

- → Sector/Market Executive Briefings
- → New Construction Status & Details
- → Transaction History & Trends
- → Listing Availabilities (Sale, Rent, Sold)
- → Demographic Info
- → Climate Risk
- → Commercial Location Score

- → Physical/Transitional Risk
- → Robust Reporting & Analytics
- → Unit Configurations & Breakdowns
- → CMBS Loan Level Data & Tax Cards
- → Prospecting Tools (True Owner & Tenant Data)
- Property Contacts (Agents, Property Mgr., Developer)

Streamline Workflow with Moody's CRE



Streamlined Search

 Quickly and efficiently access content and insights with improved search results and advanced filtering to connect users to the right information to support data-driven decision-making



Map Visualization

→ Analyze surroundings with a default 3-mile radius to understand property concentration and density and apply additional map overlays for enhanced visualization and assessment



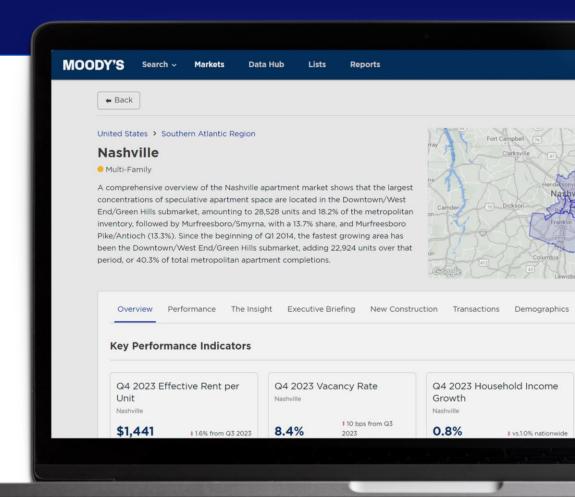
Market Comps

→ Filter by rent, sales, and new construction comps, market or submarket, size, age, asking rent, effective rent, vacancy, or transaction data so you can benchmark and lead with the best data

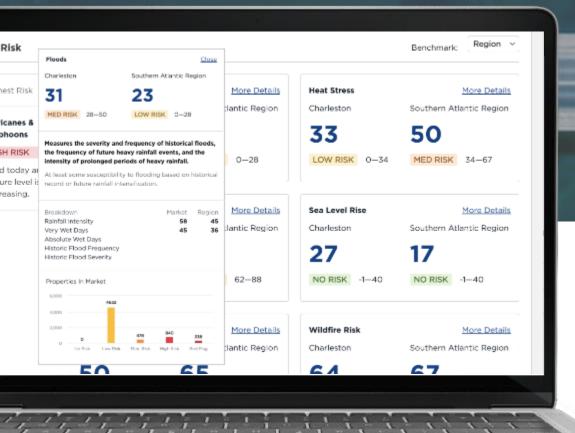


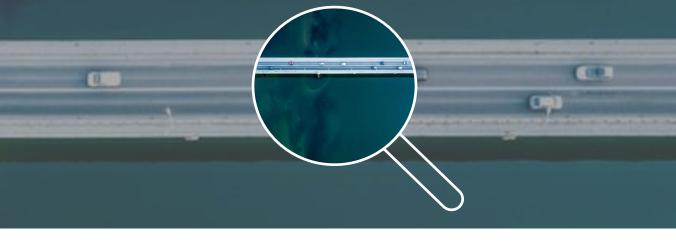
Property Overview

→ Analyze rent and performance details over time, transaction information, broker, insurer, lender, developer, and true owner information, understand valuation and uncover opportunities



Understanding Alternative Risks



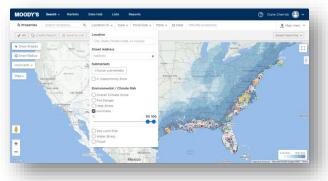


Gain transparency and inform your understanding of alternative risk factors and conveniently integrate scores and assessments into your workflows

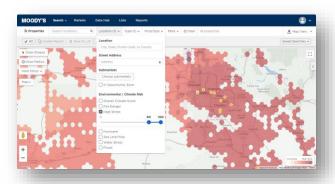
- Evaluate a location's suitability and desirability with a commercial location score to understand the major factors that affect the value of a location
- Quickly quantify climate-related exposure and threats relevant to business risk when evaluating a property or geography

Climate Risk

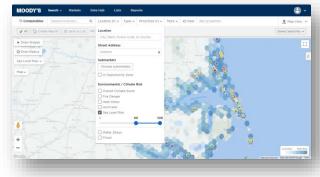




Hurricane risk



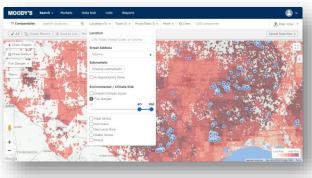
Heat stress risk



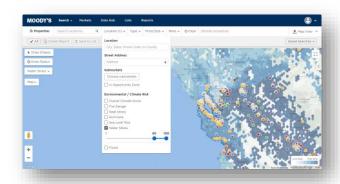
Sea level rise risk



Flood risk



Fire danger risk



Water stress risk



Quantifying Physical Climate Risk

- → Climate on Demand provides real-time, forward-looking insights into climate risk exposure of real asset portfolios
- → Users can explore the Climate risk drivers of a single asset or a portfolio of assets, to inform due diligence and risk management with real-time analysis.

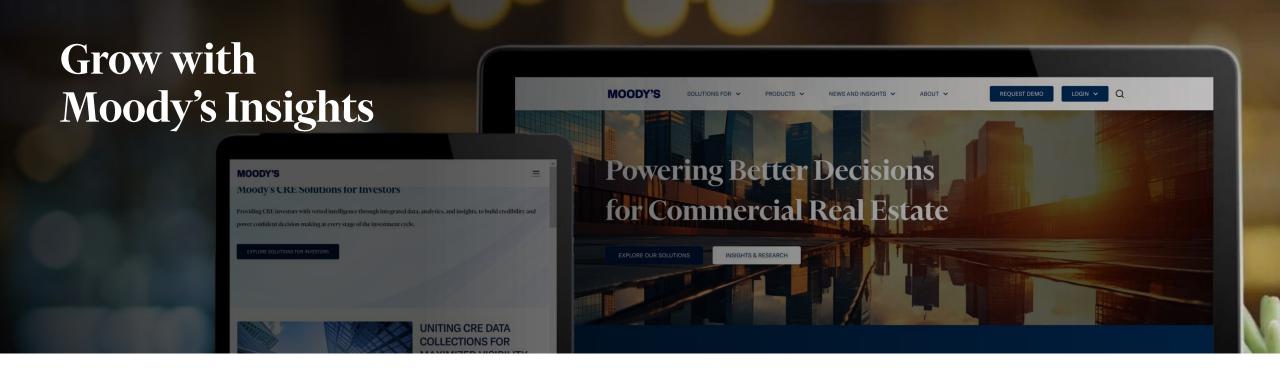


Impact Scores

- → Indicators of the relative risk of assets or portfolios on the basis of vulnerability, damage and loss.
- → Accounts for regional building codes, construction type, age, and building components
- Provides financial impact of damage and down time following disasters

Financial Loss Metrics

- Measures average annual damage (AAD) expected loss per year, averaged over many years
- → Estimate complete picture costs from asset damage and disruption of business operations and supply chain
- → Profile likely damage based on decades of analysis of real-world hazard impacts as measured by actual insurance claims



Integrate Moody's opinion and analysis into your workflows, giving you the CRE insights you need when and where you need them.

Forward-looking trends & forecasts

- Market and submarket level, supply, and scenario forecasts
- Forecasts combine Moody's proprietary database and detailed industry sources to create the most advanced forecasting methods tailored to CRE

Pre-screen tool

- Utilize customizable scoring methodology to quickly analyze an area based on specific criteria
- Understand KPIs, benchmark, and review performance to make a quick no/go decision

Narratives, briefings & expert discussions

- Market and submarket reports, describe current supply and demand conditions, market trends, strengths, and weaknesses
- Translate key insights from data and charts into a straightforward narrative

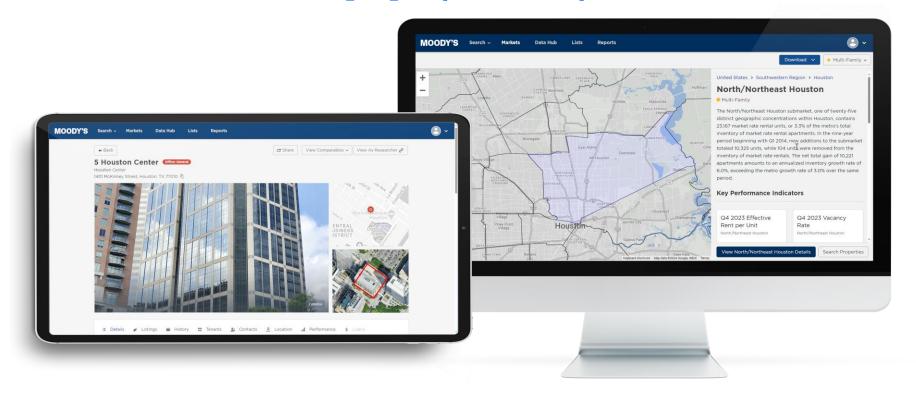






Market, Submarket, & Property Level Analytics

Integrated market, sub-market, and property-level analytics for better market trends



- → Building-level rents and vacancies
- → Absorption trends
- → New construction

- → Concession and expenses
- → Cap rate trends
- → Economic and demographic trends

- → Forecasts
- → Climate risk
- → Narrative suite

True Owner Pierce the corporate veil and determine true owners behind each LLC

Prospect Easier

Identify decision-makers, secure off-market listings, and prospect efficiently

01



Over 12,000 True Owner records added to Moody's CRE weekly



Contact information including phone number and email

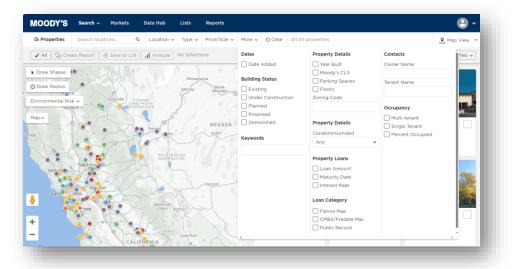
03

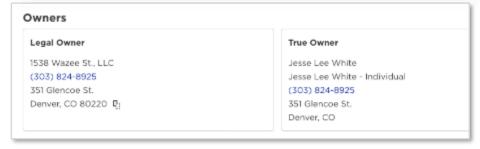


Search by True Owner

02







Verified Tenant Data

Understand business needs, gain insights, & capitalize on opportunities

Understand Tenant Roster

Support property analysis with existing commercial tenants



01



Uncover building tenants and corresponding contact information

03



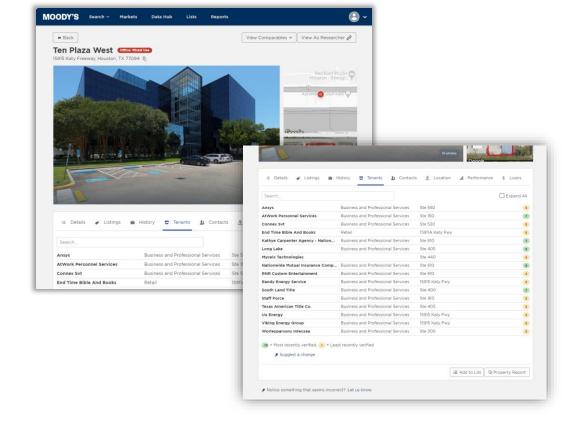
Parent company of MIS and MA

02



Connect tenants with suitable listings as their space needs change





Prospecting made easier with True Owner & Verified Tenant Data

Verified Tenant Data

- → Access thousands of verified tenants & contact information
- → Understand business needs & capitalize on opportunities

Sales Transaction Data

- → Track down property owners
- → Identify investors unloading portfolios
- → Recognize which properties sell often
- → Build relationships with Owners



CMBS, Freddie Mac, FannieMae & Off MarketOpportunities

- → Filter by off market, Freddie Mac, Fannie Mae or CMBS properties
- → Evaluate property financials
- Benchmark comparable properties
- → Access maturity dates

Loan Data & Tax Cards

Import of commercial loan data for over 2.5+ million properties, including loan maturity dates

Uncover upcoming opportunities



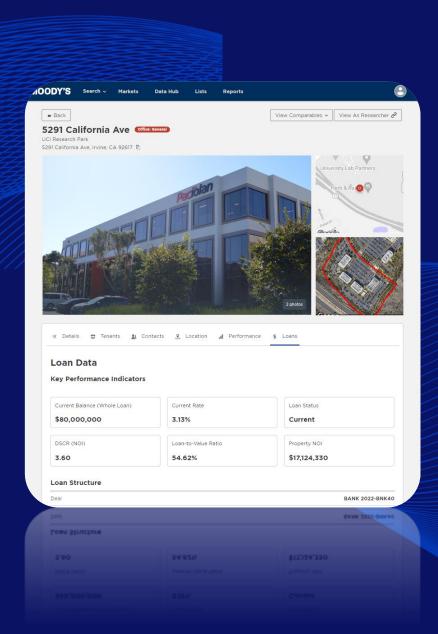
Isolate properties whose mortgages are coming due and will be likely to transact in the near term



Integration of tax cards into property records

Allows simple access to transaction details, mortgage and deed information, true buyer and seller information, transaction remarks

Taxes	☑ Tax Card		
Tax Year	2023	Assessed Year	202
Tax Amount	\$285,641	Assessed Value	\$28,001,29
Tax Amount YoY Change	2.0%	Assessed Value YoY Change	2.0



Commercial Mortgage-Backed Security Data



Comprehensive coverage of CMBS, Freddie Mac, and Fannie Mae securitized CRE universe



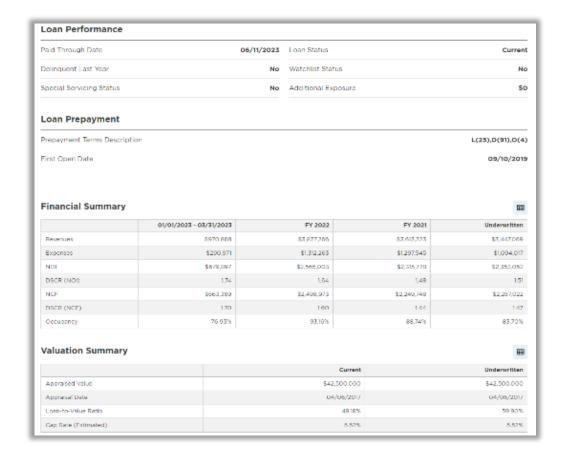
Mortgage loan information from public records, CMBS, Freddie Mac, Fannie Mae



Balance, term, rate, property performance, repayment penalty, appraisal, servicer, lender, commentary



Ability to compare a target property to similar securitized properties to understand potential cap rates, estimate financials, operating expenses, etc.

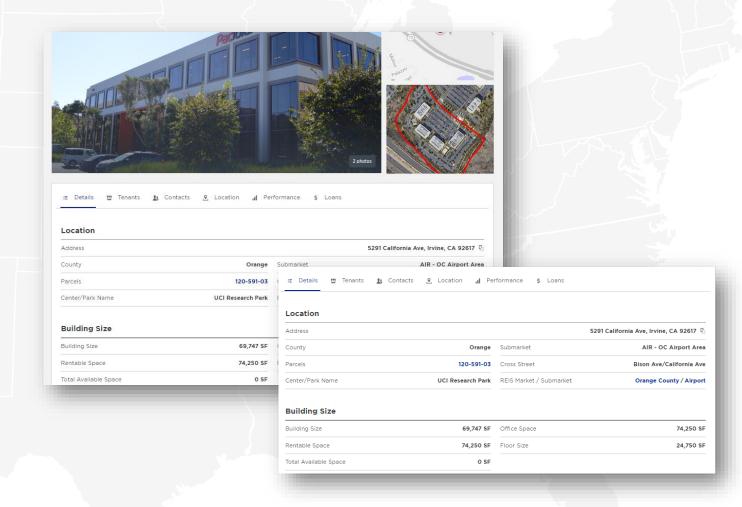




Multi-Family Expansion

Multifamily coverage

- → Market Rate rentals
- →Affordable Housing
- → Senior Housing
- →Student Housing



Experts in Data, Leaders in CRE



Built on trusted, validated data, dynamic analytics, and extensive research programs, and backed by a strong market reputation, ecosystem, and strategic partnership network, Moody's is the definitive solution to help institutions mitigate risk, gain efficiencies and drive growth in CRE.







Rich CRE Intelligence



Strategic Partnerships



24/7 Global Research Team



Moody's reputation



Existing customer base



Multi-asset platform to build on



Market standards expertise



Third Party Data Feeds



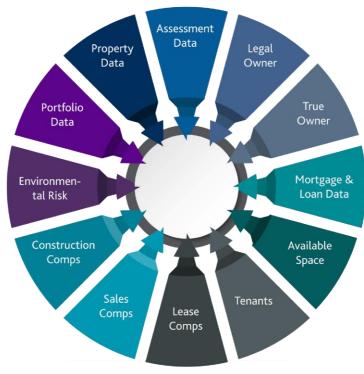
Proprietary Models & Scenarios

Commercial Property Entity Resolution

Advanced technology powered by Moody's industry leading unified database enables properties to be commonly identified by a unique ID.



Moody's CRE ID 252386294





Integrate

Property entity resolution allows easy integration and alignment of new property data from any source.



Link

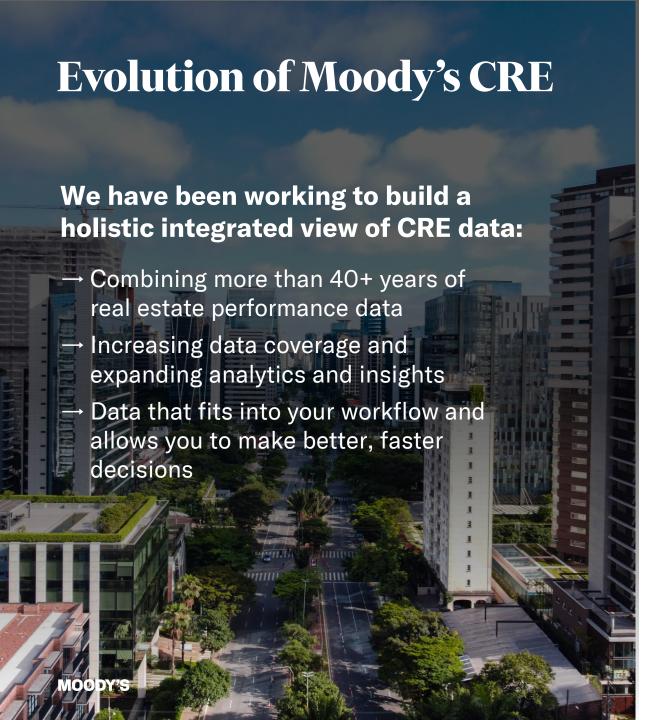
Data on a single property can differ across databases. With a unique ID from Moody's, inconsistent data can be accurately linked across databases.



Enrich

Enrich your core property data with unique data sets from across Moody's to gain a holistic view of any commercial property.







Continued investment to advance the quality of our **industry-leading market performance platform**

2020



Established Commercial Location Score to determine the value of any given commercial location in the United States



COVID impact dashboard providing a single location to find information related to the pandemic



Improved property comps filters and navigation for expanded analytics and prescreening capabilities



Enhanced security with the addition of OKTA for single sign-on



Redesign PDF reports for Portfolio Monitoring and Property Pre-screen

2022

2021



Expanded market narratives, integrated CRE news on market and submarket pages for additional context



Improved streamlined search and map workflows with overlays, granular filtering, etc.



Table customization, additional economic and demographic information around properties

2023



Launch of new and improved **Moody's CRE** solution, with updated user experience and expanded data and analytics

CRE Data Collection Process Evolution



Legacy REIS Data Set & Process

- → Base curated data set
- → Curated data set generated for trends and forecasts
- → Eight core property types
- → New construction, sales comps and rent comps



Legacy Catylist Data Set & Process

- → Base curated data set 2 million+ properties
- → Core industrial, office and retail data
- → Brokerage, Association and industry relationships
- → New construction and sales comp collection

MOODY'S

Moody's CRE Data Set & Process

- → Unified research process & systems (RDMA)
- → Base Data Set 8 million parcels and growing
- → Core 13 property types
- → National Sales Transaction Coverage
- → National New Construction Coverage
- → Centralized OA Team
- → Comprehensive Survey Process

1980-2018

2001-2021

2021-Present



Thank You!

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