

# Commercial Real Estate Investment Webinar

15 June 2023

## **Stay Ahead with KROLL**

Risk and Financial Advisory Solutions

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**Compliance and Regulation** 

**Corporate Finance and Restructuring** 

**Cyber Risk** 

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Unique insights, data and technology

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6,500 professionals worldwide

Continuing the firm's nearly 100-year history of trusted expertise

## Today's Agenda

- Introduction
- 2. Commercial Real Estate Market Update
- 3. Commercial Real Estate Loan Market Update
- Commercial Real Estate Distressed Valuation
- 5. Commercial Real Estate Investing in Funds
- **Kroll Overview**

## 1. Introduction



John Ward



Robert Maxim



**Steven Chod** 

#### John S. Ward



Managing Director, Alternative Asset Advisory

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John Ward is a managing director in the New York office and is a member of the Alternative Asset Advisory Group. He has more than 30 years of financial and investment management experience.

John specializes in the evaluation of operational risks of hedge funds, crypto funds, private equity funds, venture capital funds, real estate funds, and fund of funds. He has performed operational risk assessments on some of the largest and most complex funds, management companies, and alternatives industry counterparties and service providers. John has extensive experience in a wide variety of investment strategies, and in both large institutional investment advisors as well as emerging managers.

John works with endowments, foundations, pensions, sovereign wealth funds, and family offices to undertake investment and operational due diligence projects and supports their efforts to implement processes for institutional monitoring and oversight of their investment portfolios.

Prior to joining Kroll, John was a managing director and Head of Operational Due Diligence for Gottex Fund Management and its predecessor firm EIM Investment Management where he was a member of the Global Investment, Risk, and Counterparty Credit Committees. Previously he was chief operating officer and executive director of Nomura Funds Research & Technologies America, Inc., the alternative asset investment management affiliate of Nomura Securities.

John started his career with Shearson Lehman Brothers working in a wide variety of operations departments, as well as the financial consulting division where he worked on the divestiture of Lehman Brothers and later the merger of Smith Barney and Shearson's operations and financial controls departments. He later joined W.P. Stewart & Co. Inc. as head of trading, and principal of their broker dealer.

John received his B.S. in finance and marketing from the University of Florida. He is also a Certified Due Diligence Analyst (CDDA)

#### **Robert Maxim**



Managing Director, Financial Instruments and Technology

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Robert Maxim is a managing director in the San Francisco office of Kroll and is part of the Complex Asset Solutions Practice. Robert currently leads the CAS team focused on commercial real estate related securities. He has extensive experience working with performing and non-performing Senior, Mezzanine, Equity, Bridge and Construction loans, as well as structured products collateralized by CRE investments such as Commercial Mortgage-Backed Securities (CMBS) and CRE-CLOs/CDOs. Commercial Real Estate clients include Systemically Important Financial Institutions, Investment Banks, REITs, Hedge Funds, Private Equity Investors, Administrators, Insurers and Fund Managers.

Robert has advised clients in the valuation of structured products, including CMBS, CRE-CLOs/CDOs, Municipal and Student Loan Auction Rate Securities, the debt issued by credit derivative product companies, the debt issued by insurance companies under Regulation XXX, Collateralized Debt Obligations, Credit Linked Certificates, Structured Investment Vehicles and derivatives based on these securities. He has experience working with clients in Real Estate, Private Equity, Banking, Biotechnology and Pharmaceuticals, Chemical Manufacturing, Computer Networks and Services, Energy, Financial Services, Insurance, Investment Management, Litigation, Mining, Personal & Household Products and Semiconductors.

Robert assisted the Bankruptcy Examiner in the investigation of the Lehman Brothers bankruptcy, focusing on risk management and the valuation of derivatives and structured products. He also designed and implemented models to value credit linked certificates and the debt of credit derivative product companies; performed the valuation of preferred stock and employee stock options; advised Investment Managers, Hedge Funds, and Proprietary Trading Desks in the design and implementation of investment strategies, portfolio construction and return attribution; developed and implemented global equity, fixed income and credit risk models to provide global cross asset class risk modeling capability; and created and implemented the ability to view portfolio risk according to user defined explicit model characteristics, including both time series and cross sectional factors.

Robert received a Master in Financial Engineering degree from the Haas School of Business at the University of California, Berkeley and a BA in Economics from the University of California, Irvine.

#### **Steven Chod**



Managing Director, Real Estate Advisory Group

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Steven Chod Managing Director Real Estate Advisory Group Chicago Steven is a managing director in the Chicago office and is part of the Real Estate Advisory Group. Steven has more than 17 years of real estate valuation and consulting experience.

Steven is primarily focused on real estate valuation and consulting for institutional owners/operators of real estate around the world. He specializes in valuations for purchase price accounting, financial reporting, portfolio valuations, positive assurance of real estate investments, feasibility studies and acquisition due diligence.

His extensive range of experience includes the analysis of restaurants, office buildings, shopping malls, retail centers, apartments, self-storage facilities, industrial and manufacturing facilities, healthcare facilities, casinos and hotels. Steven has performed work across the United States as well as Europe, Canada, Mexico and South America.

Steven received his bachelor of science in Real Estate and Urban Land Economics from the University of Wisconsin.

He is a Member of the Appraisal Institute and is a state-certified general real estate appraiser in Illinois, Indiana, Michigan, Minnesota and a Member of the Appraisal Institute (MAI designation).

## 2. Commercial Real Estate Market Update

## **Recent Headlines**



Home Depot Earnings



The Fed



**Tech Layoffs** 



Regional Bank Failures

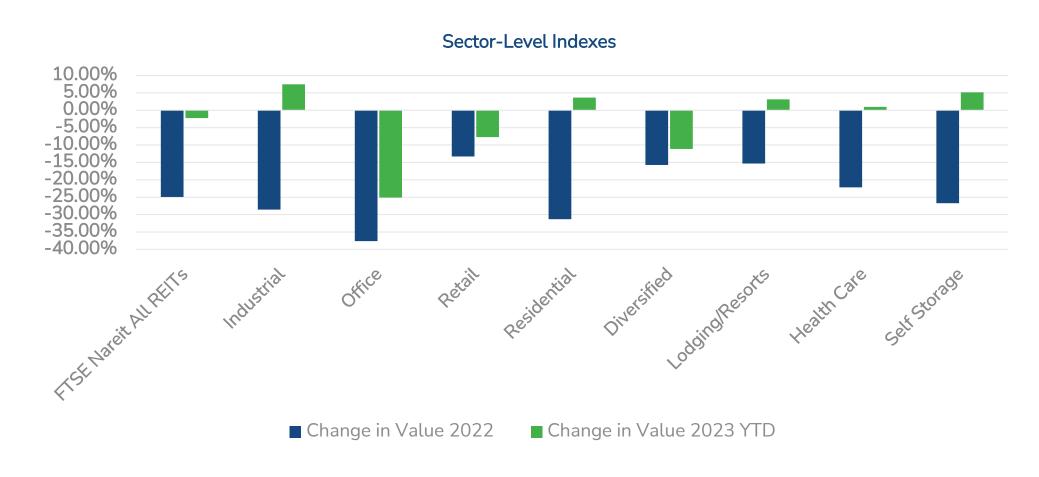


Retail Bankruptcies



WFH/Hybrid Work

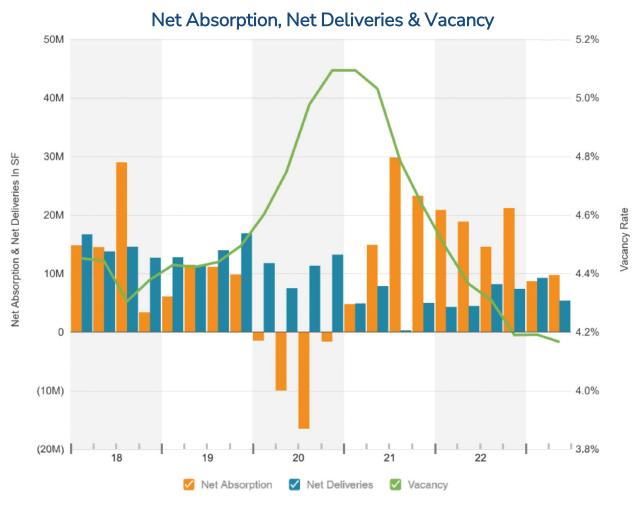
## **US REIT Property Returns – 6-1-2023**



Source: FTSE™, Factset, Nareit®.

## Retail

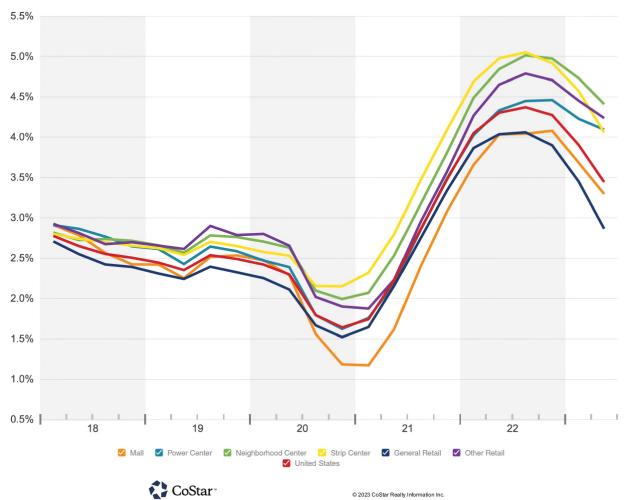
Fundamentals – Supply & Demand (2018-2023 YTD)



## Retail

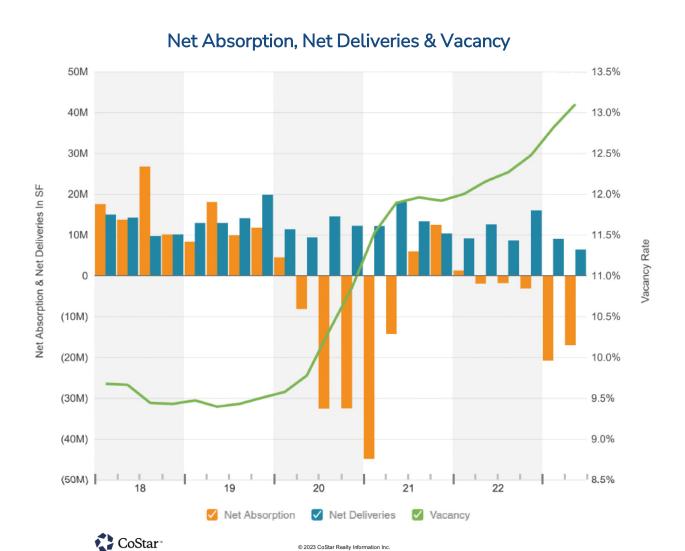
#### Fundamentals – Supply & Demand

#### Market Rent Growth (YOY)



## **Office Sector**

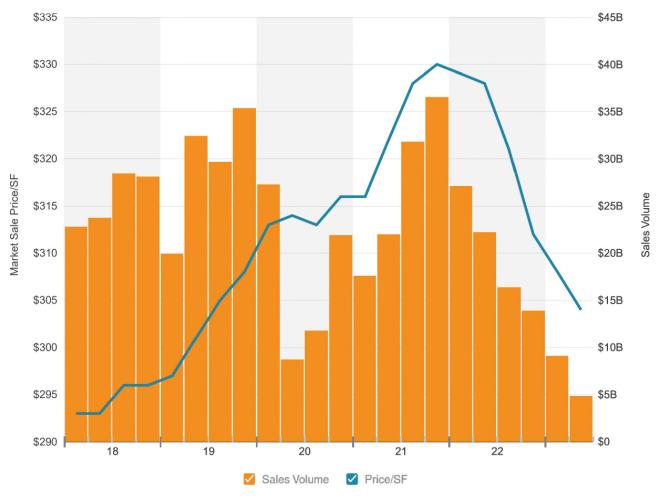
Fundamentals – Supply & Demand (2018-2023 YTD)



## **Office Sector**

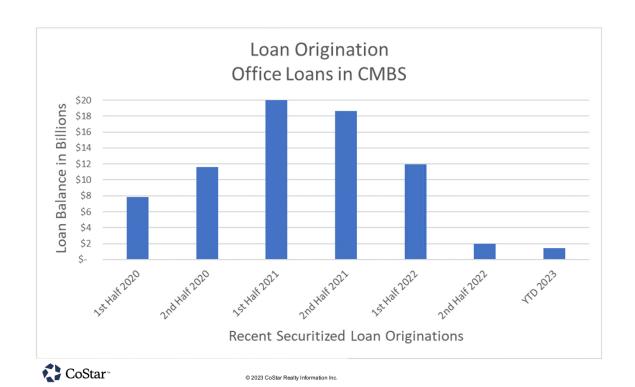
Fundamentals – Volume and Price

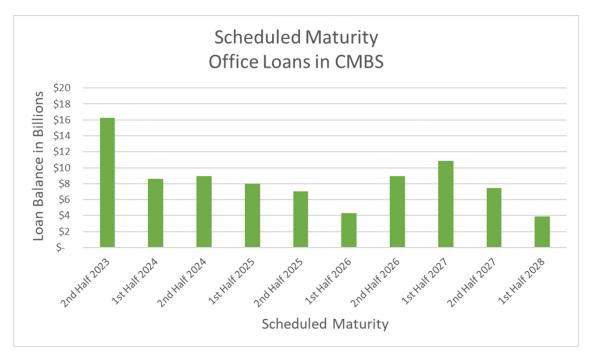




# 3. Commercial Real Estate Loan Market Update

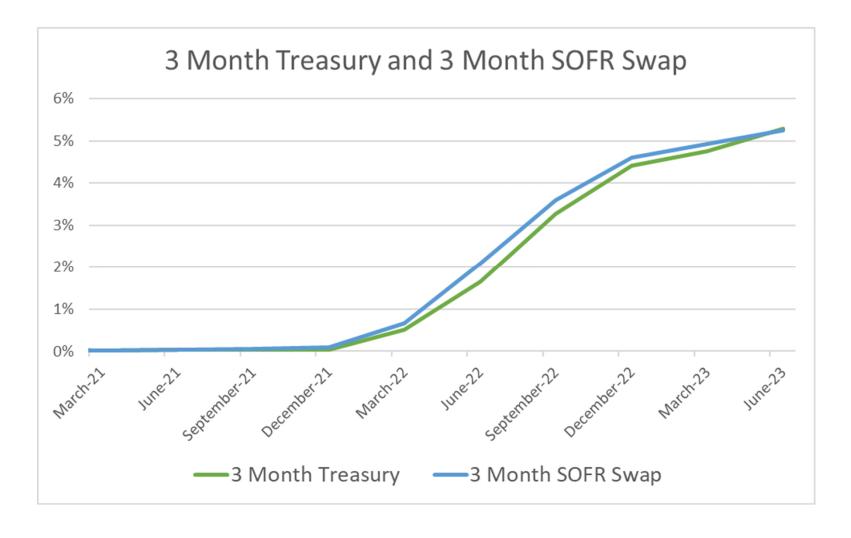
## **Recent Loan Origination and Scheduled Maturity** of Office Loans Securitized in CMBS





- Recent Origination Levels are Below Scheduled Maturities
- Loan Performance Metrics Surrounding Loans in Newly Originated CMBS are Representative of New Issue Loan Criteria

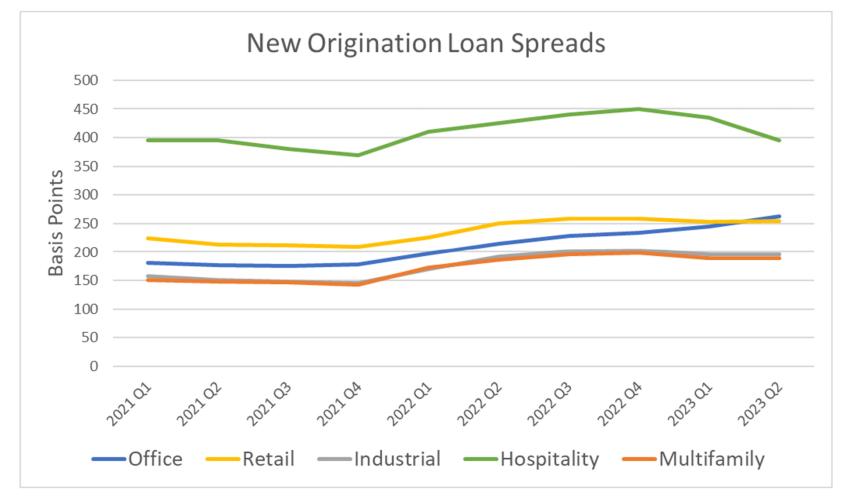
## **Historical Treasury and SOFR Rates**



Increases in Interest Rates Increase:

- Floating Rate Coupons
  - New Issue Fixed Rate Coupons

## **Historical Newly Originated Loan Spreads** 10 Year Fixed Rate Standing Loans



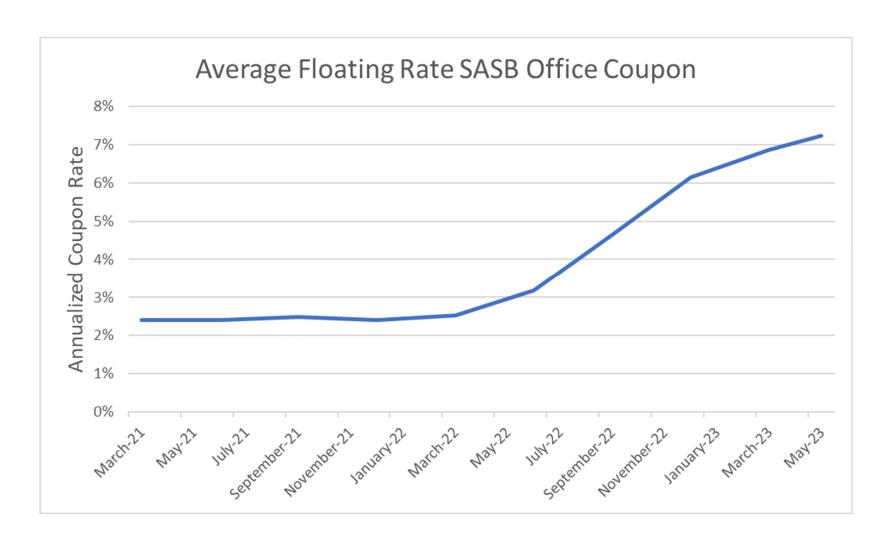
Generic new issuance loan spreads aggregated from a broad range of proprietary new issuance loan data.

## Floating Rate Office Loans Example

To examine the issues discussed on the previous slides in greater detail, lets take a closer look at a portfolio of loans:

- Focus on a portfolio of floating rate office loans securitized in Single Asset, Single Borrower CMBS (38 total loans)
- Loan portfolio characteristics:
  - Last Appraisal LTV of 61.7%
  - Last Reported Occupancy of 87%
  - Last Reported DSCR of 2.2
  - 6 of 38 Loans in Special Servicing

## Floating Rate SASB Collateralized by Office Properties Average Coupon



## **Change in Loan to Value**

- We estimated the current LTVs based on the latest reported NOI and the change in city specific office cap rates from Green Street.
- On average:
  - Cap rates increased 2.5%
  - NOIs decreased 14%
- The balance weighted LTV increased from .62 to 1.12

## **Special Servicing**

- 6 of 38 loans are in special servicing:
  - Half of the loans are in special servicing due to maturity default
  - A loan is in default because the sponsor elected to miss payments
  - A loan is in default for failing a debt yield threshold covenant, and has a DSCR of .58
  - A loan was transferred to special servicing for imminent monetary default due to a DSCR below 1

# 4. Commercial Real Estate Distressed Valuation

## **Distressed Property and Loan Workouts**

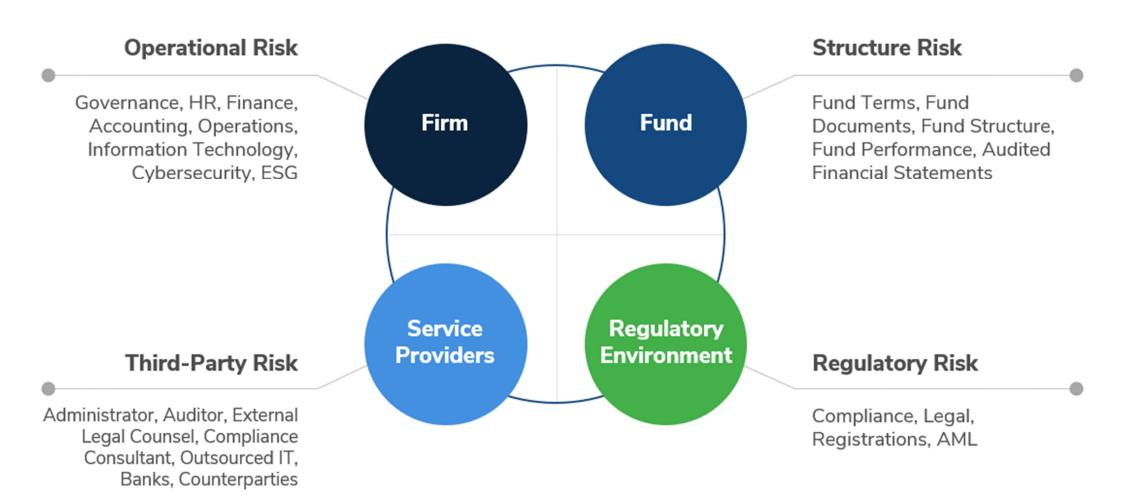
Workouts can have uncertain outcomes. Often valuation involves determining alternative scenarios and assessing the likelihood of various outcomes.

- Factors influencing the outcome can be diverse. A few factors that often impact the outcomes include:
  - Type of Distress
  - Value of Building
  - Building Cash Flows
  - Type of Loan
  - Number of Parties Involved (Intercreditor Agreements, etc.)
  - Lender Capability

## 5. Commercial Real Estate Investing in Funds

## **Kroll's Operational Due Diligence Scope**

We believe preparation is key. We request and review a range of data and documentation prior to each on-site visit or discussion to identify areas of potential risk for further analysis.



## **Investing Recommendations**

Workouts can have uncertain outcomes. Often valuation involves determining alternative scenarios and assessing the likelihood of various outcomes.

- What questions should investors and/or LP's in funds invested in CRE be asking?
- How can Operational Due Diligence help investors in funds invested in CRE?
- What are best practices for investors in CRE funds?
- How can investors in CRE or CRE funds position themselves for success?



## Learn More About Kroll

## **Valuation Advisory Services**

Financial Reporting	Тах	Alternative Asset Advisory	Real Estate Services	Fixed Asset Advisory Services
Purchase Price Allocation  Goodwill and Asset Impairment Intellectual Property Valuation Fresh Start Accounting Derivative Valuation and Share-Based Compensation Business Valuation Strategic Value Advisory	Tax Valuation Transfer Pricing Legal Entity Valuation Purchase Price Allocation Estate and Gift Tax Interest Expense Allocation Property Tax Consulting Sales and Use Tax Services Site Selection and Incentives Advisory	Portfolio Valuation Valuation Policy and Procedures Consulting Fund Manager Valuations Created Value Attribution Secondary Transfers Valuation of Illiquid and Complex Securities Derivatives and Structured Credit Products Valuation	Real Estate Valuation and Consulting Real Estate Financing Valuations Hospitality Advisory Services Right of Way Appraisal Cost Segregation Real Estate Investment Advisory Real Estate Transaction Advisory Property Asset Management and Optimization	Fixed Asset Management Insurance Valuation Services Machinery and Equipment Valuation

#### **STORIED BRAND** 1932-2004

## **Our Evolution**

In Operation for **Nearly 100 Years**  **Duff & Phelps founded as** investment research firm

### **NEW FIRM, EXPANDING** CAPABILITIES 2005-2020

- Started as valuation and corporate finance advisor
- Rapid growth into other governance, risk, compliance and complementary solutions
- Acquired 30+ businesses, including Kroll

### ONE TEAM, **ONE KROLL** 2021-present

- **Duff & Phelps rebrands as** Kroll and completes brand unification
- Full business life cycle capabilities across risk, governance and growth
- Serving clients in 140 markets across nearly every industry and sector
- **Acquired Crisp and** Resolver risk companies
- **Acquires AVC Ltd. to** create dedicated energy team within FAAS practice

### **Our Values**

Our six values are at the core of who we are and how we interact with our people, clients and partners at work and within every community we serve. They describe the expectations our clients should have of us, guide how we work with each other, and hold us accountable to consistently deliver.

#### Excellence

Excellence is a mindset – we do challenging work and pursue extraordinary results. We relentlessly focus on excellence – for our clients and colleagues.

#### **Ambition**

We are energized to learn, to teach, to grow. We constantly seek to do better – comfort and excellence rarely co-exist.

#### Courage

We make bold decisions, not just the easy ones. We find, reveal and tell the truth. Integrity is the foundation of everything we do.

#### Inclusion

We embrace and cultivate diversity – we respect, include and value one another. We support and care about the communities where we live and work.

#### Innovation

We challenge ourselves to discover new ways to create value. We harness the power of smart data with technology to enable faster decisions and always anticipate what's next for our clients.

#### One Team. One Kroll

We are stronger together – always focused on solutions, not silos. We collaborate across borders and disciplines in pursuit of excellence.



## We are proud to work with



## **Our Awards and Rankings**

#### Financial Advisory Recognition









## **Our Awards and Rankings**

#### Risk Advisory Recognition

#### **IIIWWL**

#### Who's Who Legal (WWL) 2022

Experts recognized in WWL Asset Recovery, Construction – Quantum Delay & Technical, Forensic Accountants Quantum of Damages



#### Global Arbitration Review's GAR 100 Expert Witness Firms Power Index - 2022

Ranked fifth on the annual list of top expert firms globally.



#### **Global Investigations** Review (GIR) 100 2021

Named as one of the top 100 cross-border investigations practices

#### FORRESTER®

#### Forrester Wave<sup>TM</sup> 2022

Kroll named a Strong Performer in the Forrester Wave<sup>TM</sup> Cybersecurity Incident Response Services Q1 2022



#### SC Awards Europe 2022

Winner - Managed Detection and Response Solution

> Finalist - Best Incident Response Solution



#### IDC MarketScape 2021

Named a Global Leader in Incident Response Readiness

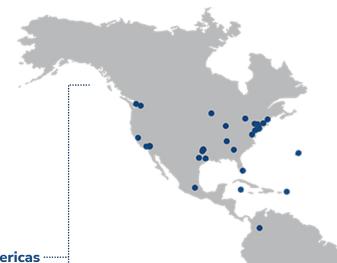


G2 Awards 2022

G2 Best Support 2022

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Across 32 countries and territories worldwide



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Houston

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Richardson

Sao Paulo

San Francisco

British Virgin Islands Cayman Islands



#### O Europe, Middle East and Africa...

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Agrate Brianza	Dubai	Longford	Pesaro
Amsterdam	Dublin	Luxembourg	Riyadh
Barcelona	Frankfurt	Madrid	Rome
Berlin	Gibraltar	Manchester	Tel Aviv
Bilbao	Guernsey	Milano	Turin
Birmingham	Johannesburg	Munich	Zurich
Brussels	Lisbon	Padua	

#### Asia Pacific

Beijing Mumbai New Delhi Guangzhou Hanoi Shanghai Hong Kong Shenzhen Hyderabad Singapore Jakarta Sydney Kuala Lumpur Taipei Manila Tokyo



## Real Estate Advisory Group

## Real Estate Advisory Group Overview

We provide comprehensive real estate valuation and consulting services for various purposes.



#### Global practice

Our Real Estate Advisory Group uses its market presence in North America, Asia, South America and Europe to coordinate resources and databases across the firm. Our team of over 300 professionals are focused on completing complex, diverse real estate services globally, on a regular basis.

#### Industry experts

The Real Estate Advisory Group has specific experts working in different industry segments including, but not limited to, retail, office, hospitality, real estate investment trusts, hedge funds, pension funds, structured finance, CMBS securitization, insurance and banking, corporate real estate, railroad & utilities and franchise real estate.

#### **Local Expertise**

Each office is responsible for local market expertise. Each group compiles and analyzes data on the major markets within their region periodically to ensure that we closely monitor the dynamic marketplace.

## Real Estate Advisory Group Services

#### **Real Estate Valuation & Consulting**

- MAI Appraisals
- Financial & Tax Reporting Valuations
- **REIT & Real Estate Operating Company Valuations**
- Debt Valuation
- Financing Appraisals
- Portfolio Valuation Positive Assurance
- Cost Segregation & Construction Tax Planning



#### **Real Estate Investment Banking**

- Equity & Debt Placement Services
- Sell Side Advisory Services
- Buy Side Consulting Services
- Real Estate Transaction Opinions
- Solvency Opinions
- Fairness Opinions
- Independent Fiduciary Opinions

#### Real Estate Advisory Services

- Operational & Process Improvements
- Technical Advisory/Property Condition Reports
- Market Feasibility Studies
- Loan Services
- Debt Advisory
- Construction Project & Program Management

**Advisory** Services

Due Diligence

#### Real Estate Transaction Due Diligence

- Lease Abstraction and Analysis
- Site/Market Due Diligence
- Estoppels' Certificate Preparation & Review
- NOI Trend Analysis
- Tenant Reimbursement Analysis
- Argus & Dyna Modeling/Auditing
- REIT Income Analysis

## Thank You



#### For more information, please contact:

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#### About Kroll

As the leading independent provider of risk and financial advisory solutions, Kroll leverages our unique insights, data and technology to help clients stay ahead of complex demands. Kroll's global team continues the firm's nearly 100-year history of trusted expertise spanning risk, governance, transactions and valuation. Our advanced solutions and intelligence provide clients the foresight they need to create an enduring competitive advantage. At Kroll, our values define who we are and how we partner with clients and communities. Learn more at <a href="https://www.kroll.com">www.kroll.com</a>.

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