

# Supplier Risk Forum Paris, 2023





### Welcome remarks



### **GEORGY SICAIRE**

Head of Sales Corporates Europe & Africa Moody's Analytics

## **Company Overview**

## Moody's

## MOODY'S INVESTORS SERVICE



Global integrated risk assessment firm providing credit rating opinions, analytical solutions and insights that empower organizations to make better, faster decisions

## MOODY'S



Independent provider of credit rating opinions and related information for over 120 years



Proven ratings accuracy and deeply experienced analysts



Expanded sales and marketing activities in Commercial group





Adjusted Operating Margin<sup>1</sup>



### Adjusted Operating Income of \$2.4 billion



Our financial intelligence and analytical tools help customers effectively manage various types of risks, enabling them to make better, faster decisions



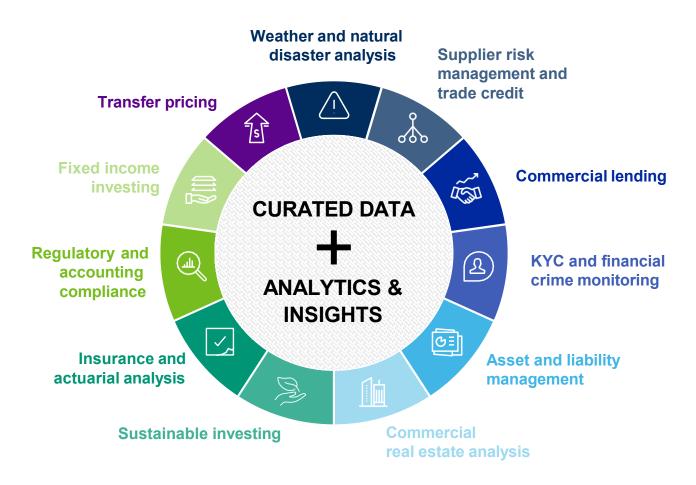
Our integrated and modular risk offering provides a holistic view of risk to serve a variety of use cases



Our flexible analytical tools can be tailored to key risk areas and related workflows

## Moody's as an Integrated Risk Assessment Business

Selection of Use Cases Addressable by Moody's Solutions





**Current Addressable Market** 



#### Curated Data<sup>1</sup>

. o Entities

0 .. 0

450+ million

public & private entities



**Securities** 

~\$73 trillion rated debt



**Economies** 

556+ million

economic, financial and demographic time series



**Properties** 

20+ million

commercial real estate properties



**People** 

17+ million

risk profiles



Physical risk

3+ million

scores on global facilities

### **Major Challenges for Supply Chain**



Supplier performance and disruption risk



Materials shortages and price increases pre-dating the pandemic



Unprecedented demand planning difficulty



Perilous complexity of sanctions, anticorruption and other areas of compliance



Labor shortage and increased competition for skilled resources



Geopolitics (e.g., Russia / Ukraine, China vs nearshoring / friendshoring) leading to low supply / high prices



Deteriorating global economy



Inflation is complicating price negotiations with suppliers



Need for additional inventory of important materials



Cyber attacks on suppliers and threats to sensitive data, documents and drawings



Limited visibility into suppliers and the products, services and materials they deliver



Environmental and social responsibility performance and susceptibility to climate disasters

### Key Investments in Supplier Risk Expertise



2017
Bureau van Dijk

A database of 450+ million entities



2019 Vigeo Eiris

ESG evaluation for companies globally



2020

#### **Acquire Media**

Aggregator of thousands of news sources

2019

427

Global physical risk assessment



2021

**RMS** 

Leader in Climate & Natural Disaster Risk





2020

**RDC** 

PEPs, sanctions and adverse media



#### 2021 BitSight

Partnership: Cyber risk & security ratings



2021

#### Cortera

Largest database of B2B trade payments in North America – invaluable for assessing private companies' financial risk

# Moody's analytics

Agenda	Supplier Risk Forum 2023
14:30 – 14:40	Welcome & Introduction
14:40 – 15:20	Winning Through Disruption: A look at how Lenovo excelled through all the disruptions in the past 3 years
15:20 – 16:00	Panel Discussion: Supply Chain Transformation and Resiliency
16:00 – 16:30	Networking break
16:30 – 17:10	Panel Discussion: How to gain CEO's and Board's buy-in for investments in Supply Chain risk management
17:10 – 17:50	Panel Discussion : The Future of Supply Chain Risk
17:50 – 18:00	Closing remarks
18:00 – 19:00	Cocktail reception
19:00	End of Event



### Keynote:

Winning Through Disruption: A look at how Lenovo excelled through all the disruptions in the past 3 years



## Moody's Analytics

# Panel Discussion: Supply Chain Transformation and Resiliency



SHRINDER TUMBER
Supplier Due Diligence Manager
Hitachi Rail



VITALIANO TOBRUK
Director, Supply Chain Risk Industry Practice Lead
Moody's Analytics



CAROLINA AZAR

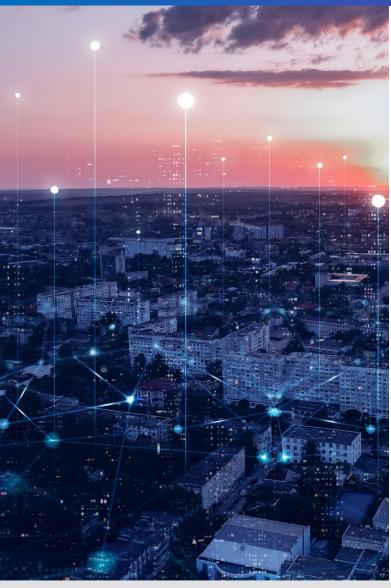
Senior Director – Product Strategy
Moody's Analytics



# Supplier Risk Forum Networking break



### Moody's Analytics Communities



Would you be interested in joining a Moody's Analytics Supplier Risk Online Community?





Take the survey

## Moody's

### Panel Discussion:

How to gain CEO's and Board's buy-in for investments in Supply Chain risk management



### **ANDREI QUINN-BARABANOV**

Senior Director, Supply Chain Risk Industry Practice Lead Moody's Analytics



#### **CHRISTOPH MOORMANN**

Supply Chain Risk Manager
MAHI F International GmbH



MIGUEL VEGA
Global Product Manager

Jaggaer

### **Major Challenges for Supply Chain**



Supplier performance and disruption risk



Materials shortages and price increases pre-dating the pandemic



Unprecedented demand planning difficulty



Perilous complexity of sanctions, anticorruption and other areas of compliance



Labor shortage and increased competition for skilled resources



Geopolitics (e.g., Russia / Ukraine, China vs nearshoring / friendshoring) leading to low supply / high prices



Deteriorating global economy



Inflation is complicating price negotiations with suppliers



Need for additional inventory of important materials



Cyber attacks on suppliers and threats to sensitive data, documents and drawings

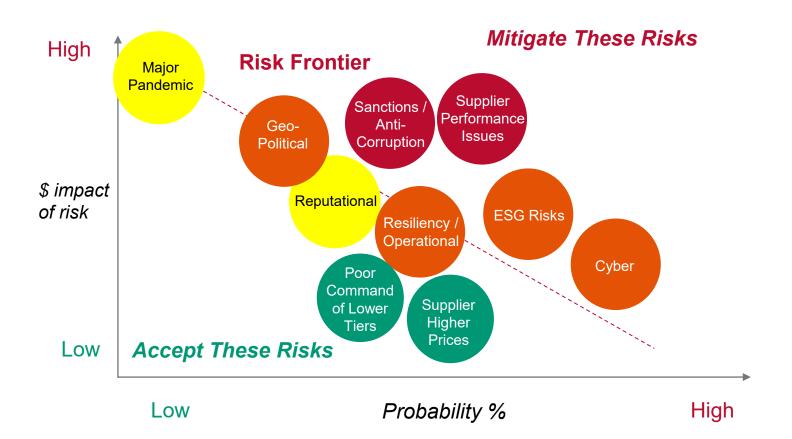


Limited visibility into suppliers and the products, services and materials they deliver



Environmental and social responsibility performance and susceptibility to climate disasters

# Prioritizing Supplier Risk: Risk Map Example



### This graph shows risks mapped by their impact and probability

- » There are several ways to quantify risks and rank them by importance
- » Your key business decision is to determine where to draw your risk tolerance line
- Your risk tolerance determines which risks are accepted (i.e., take no action) versus which risks need to be mitigated

## Moody's Analytics

# Panel Discussion: The Future of Supply Chain Risk



**SAI NIDAMARTY**Co-Founder & CEO
Trust Your Supplier



FRANÇOIS-XAVIER
GAUFROY
Solution Consultant
Ivalua



JOHN DONIGIAN
Senior Director of Supply Chain Strategy
Moody's Analytics

### Chatham House Rules



Agreement that you can use the information from today's discussion, but please don't say who the speaker was or what organization they're part of.

### **Global Events Continue to Impact Supply Chains**

Creating risk for delivering on revenue and profitability goals



**Political** 

The U.S. - China Relationship



**Environmental** 

Weather



**Economic** 

Demand & Credit Risk



**Technology** 

Cybersecurity



Regulatory/Legal

Compliance



Social/Cultural

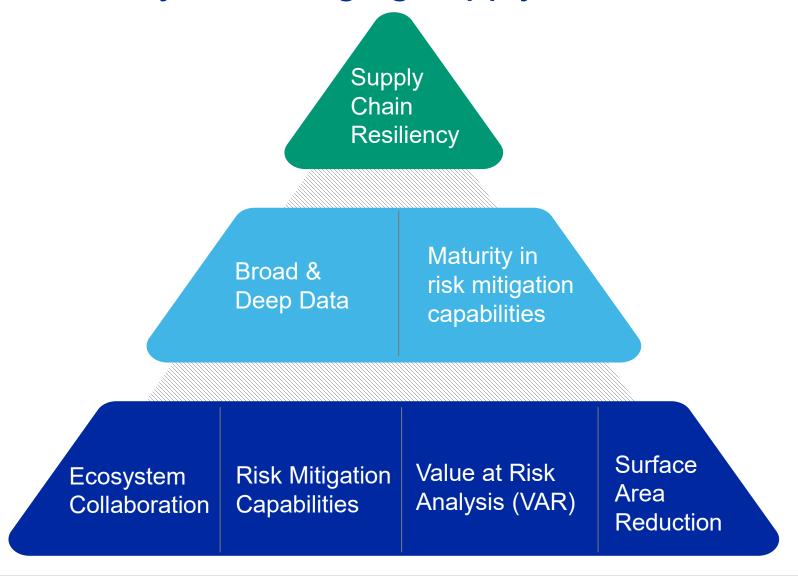
Cost of Living
Crisis



**Trust/Ethics** 

**Trade Barriers** 

### Resiliency is the key to managing supply chain risk



**MOODY'S ANALYTICS** 



## **Closing Remarks**



**JAMES INGRAM** 

Managing Director, Head of Sales for Europe & Africa Moody's Analytics

### Moody's Analytics Communities



Would you be interested in joining a Moody's Analytics Supplier Risk Online Community?





Take the survey



# Supplier Risk Forum Paris, 2023



© 2023 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S CREDIT RATINGS AFFILIATES ARE THEIR CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MATERIALS, PRODUCTS, SERVICES AND INFORMATION PUBLISHED BY MOODY'S (COLLECTIVELY, "PUBLICATIONS") MAY INCLUDE SUCH CURRENT OPINIONS. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT OR IMPAIRMENT. SEE APPLICABLE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S CREDIT RATINGS, CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY, CREDIT RATINGS, NON-CREDIT ASSESSMENTS ("ASSESSMENTS"), AND OTHER OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT, MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. AND/OR ITS AFFILIATES, MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES, MOODY'S CREDIT RATINGS. ASSESSMENTS. OTHER OPINIONS AND PUBLICATIONS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR, MOODY'S ISSUES ITS CREDIT RATINGS, ASSESSMENTS AND OTHER OPINIONS AND PUBLISHES ITS PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL. WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE,

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS, AND PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS OR PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER.

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER. BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM REINIG CONSIDERED A BENCHMARK

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the credit rating process or in preparing its Publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any credit rating, agreed to pay to Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$5,000,000. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service redit ratings and credit rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from Moody's Investors Service, Inc. and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at <a href="https://www.moodys.com">www.moodys.com</a> under the heading "Investor Relations — Corporate Governance — Charter Documents - Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any credit rating, agreed to pay to MJKK or MSFJ (as applicable) for credit ratings opinions and services rendered by it fees ranging from JPY100,000 to approximately JPY550,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.