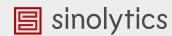


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Sinolytics: A European research-based consultancy focused on China

Profile

- · Offices in Berlin and Beijing
- Nexus between policy and business
- Blending in-depth research with management consulting approach
- Bridgebuilders: Diverse team with European & Chinese perspectives
- Advising companies across sectors with focus on automotive, machinery, energy, chemicals, semiconductors
- 90+ clients, including many of the largest and most respected foreign companies operating in China
- Founded in 2017

Key services

Strategy Building

Policy-driven strategy development, strategic positioning, and strategy implementation

Geopolitical Advisory

Geopolitics monitoring & forecasting, scenario building, impact assessment and mitigation

Supply Chain

Definition of critical supplies, mapping tier-X supply chains, delivery failure assessment

Policy Monitoring

Continuous, tailored policy and regulatory monitoring, trend detection and forecasting

Regulatory Compliance

 Data-/Cybersecurity Regulation, Social Credit System, Environmental compliance

Market Analysis

 Market intelligence for Automotive, Chemicals Semiconductors, Manufacturing, Machinery

Approach

Primary source and Chineselanguage research

Problem-solving and developing tailored solutions

Dedication to deep research, cutting trough complexity

Depth in content, while strong in contextualization

Extensive expert network and research partners

















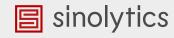






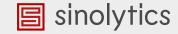






The challenge: Geopolitics increase risks from high sourcing dependencies on China

Higher likelihood of conflict Stricter supply chain scrutiny Expanding trade controls Risk driver China expands its trade control toolkit to Severe global production disruption in Supply chain acts in US/EU require more effectively retaliate against case of conflict (e.g. due to high reliance higher scrutiny also on tier-X levels on chip materials and cutting-edge US/European measures foundries from Taiwan) "Companies [...] have to identify risks in Gallium and germanium exports Materials 19% 22% their entire chain of activity [...]. Companies restricted starting Aug 1st 2023 must look at their upstream supply chains Wafer fab 21% 19% · New foreign relations law strengthens (e.g. raw material mining) and at their legal basis for countersanctions downstream supply chains (use, **OSAT** · Drafts propose to restrict solar processing, disposal) in an appropriate technology export needed for EU manner." Korea Other US renewable energy transition Europe Japan EU Supply Chain Law Initiative MainlandChina Taiwan Relevant Raw materials Semiconductors Polysilicon, PVC esp. cutting-edge wafers, packaging and assembly gallium, magnesium, lithium, rare earths, cobalt products Focus Chemicals, Electronics, Solar, Steel, Auto Textiles, Photovoltaics, Chemicals Electronics, Automotive, Machinery industries BT Group Plc + Add to myFT Observed **ASML Hit With New Dutch Limits on Chip** BT holds China-Taiwan war game to stress test China asks EU to justify upcoming carbon tax at World **Gear Exports to China Trade Organization** action supply chains TSMC: the Taiwanese chipmaker **China Mulls Protecting Solar Tech** Warum Mittelständler bei der Kontrolle caught up in the tech cold war **Dominance With Export Ban** der Zulieferer an Grenzen stoßen



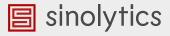
Sinolytics USP: Research-based consulting at policy-business nexus

What makes us unique

- Proprietary Sinolytics Supply Chain database
- Combining geopolitical and industry know-how
- Deep China expertise of supply chains
- Cross-industry and cross-business perspective
- European and Chinese perspective on geopolitics

Our method

- Examining company statements/annual reports
- Deeply delving into public and industry reports
- Looking at dependencies of countries & industries
- Using industry and supply chain databases
- Talking to industry insiders in background rounds



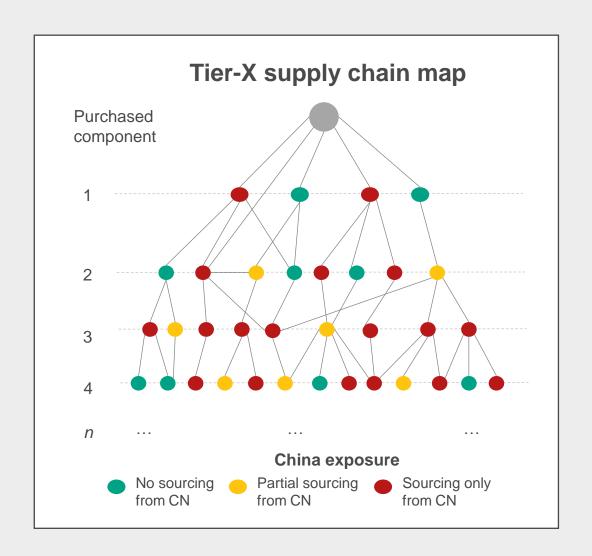
Our value add: Supporting clients in building resilient supply chains

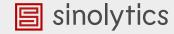
WHAT SINOLYTICS OFFERS

- Higher awareness for **geopolitical supply chain risks**
- Improved transparency at tier-X level
- Strategy for supply chain resilience building
- Learning from best practices
- Concrete measures to improve supply chain resilience

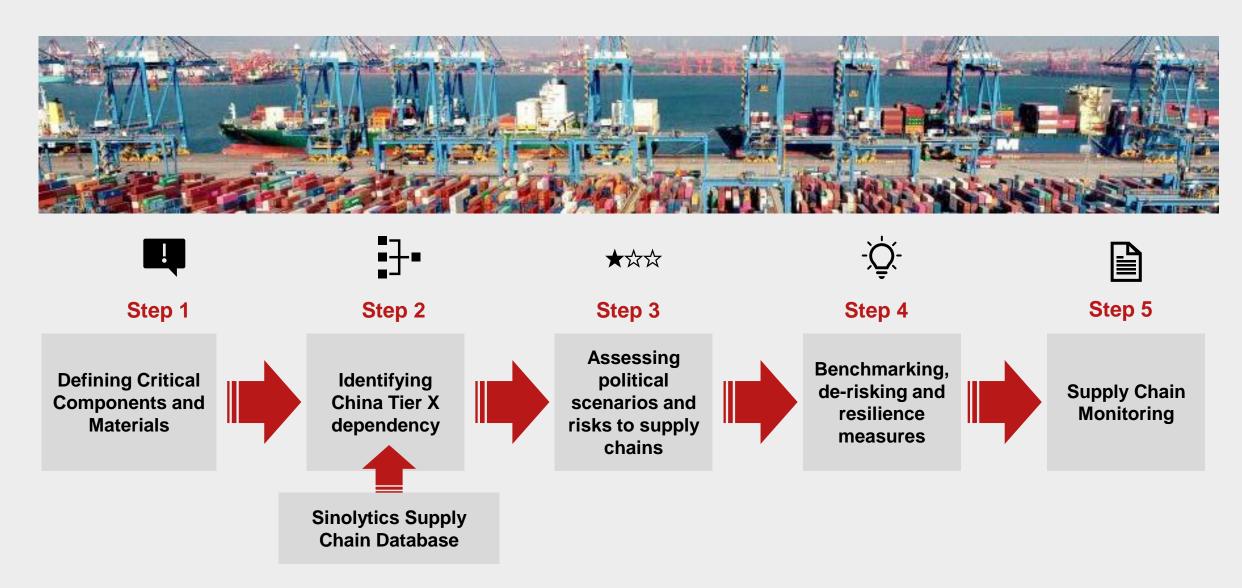
Examples of industries we cover: semiconductors, batteries, electric motors and magnets, forgings, plastics, photovoltaics, winds, and much more

Examples of raw materials we cover: lithium, cobalt, nickel, rare earth elements, gallium, germanium, magnesium, molybdenum, manganate, tungsten, indium, and much more



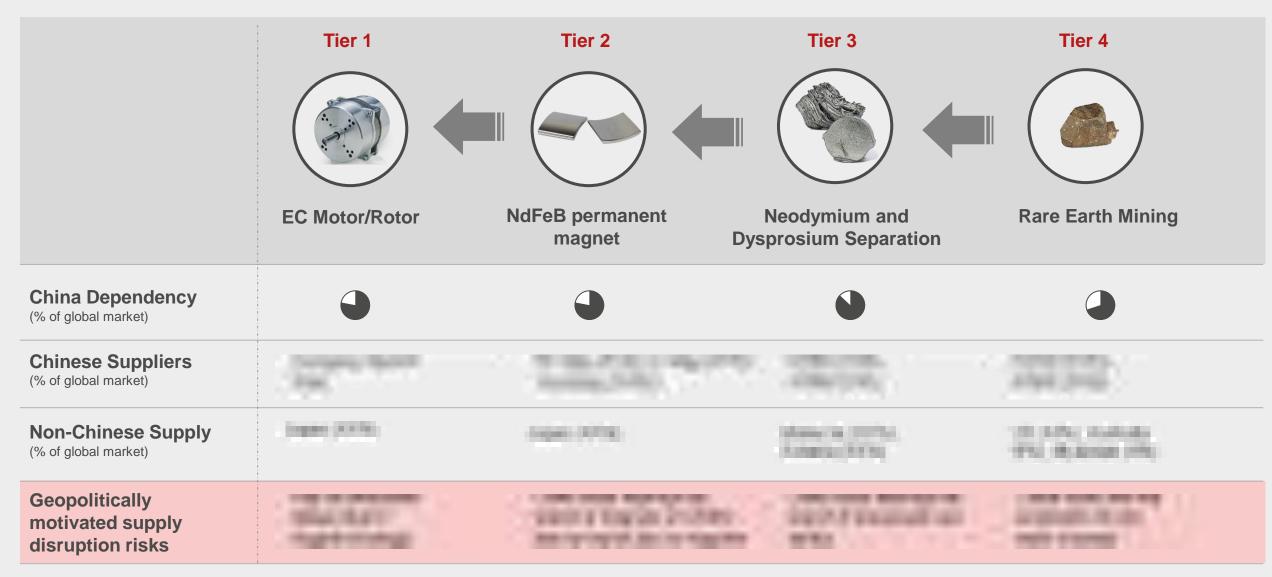


Our approach: Risk Exposure Assessment along four steps



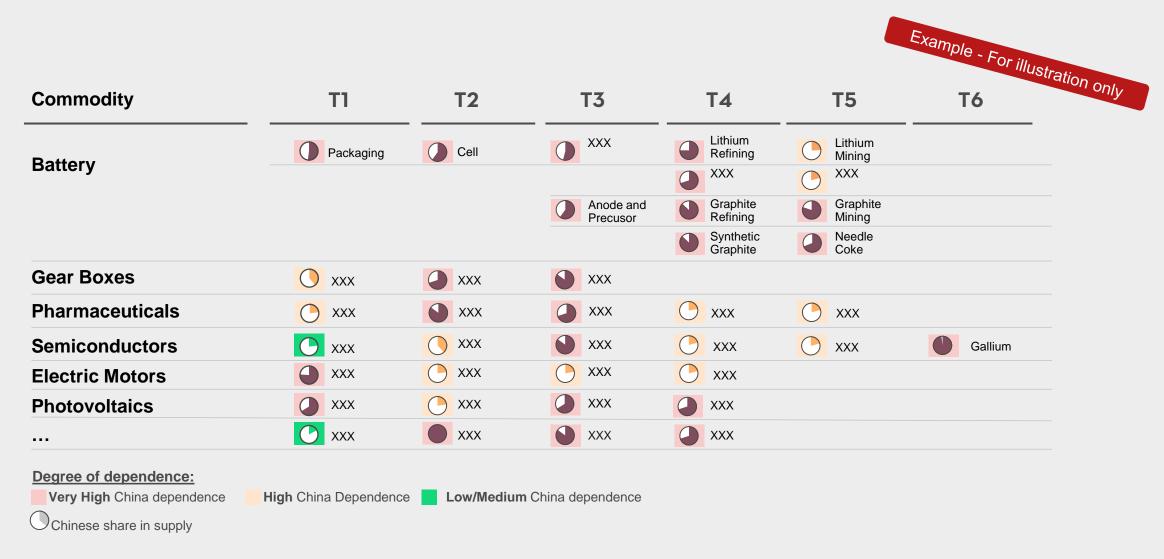
STEP 1 Identifying Critical Components: The case of EC motors

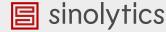
Several critical components have a high dependency on Chinese suppliers down to the raw material level



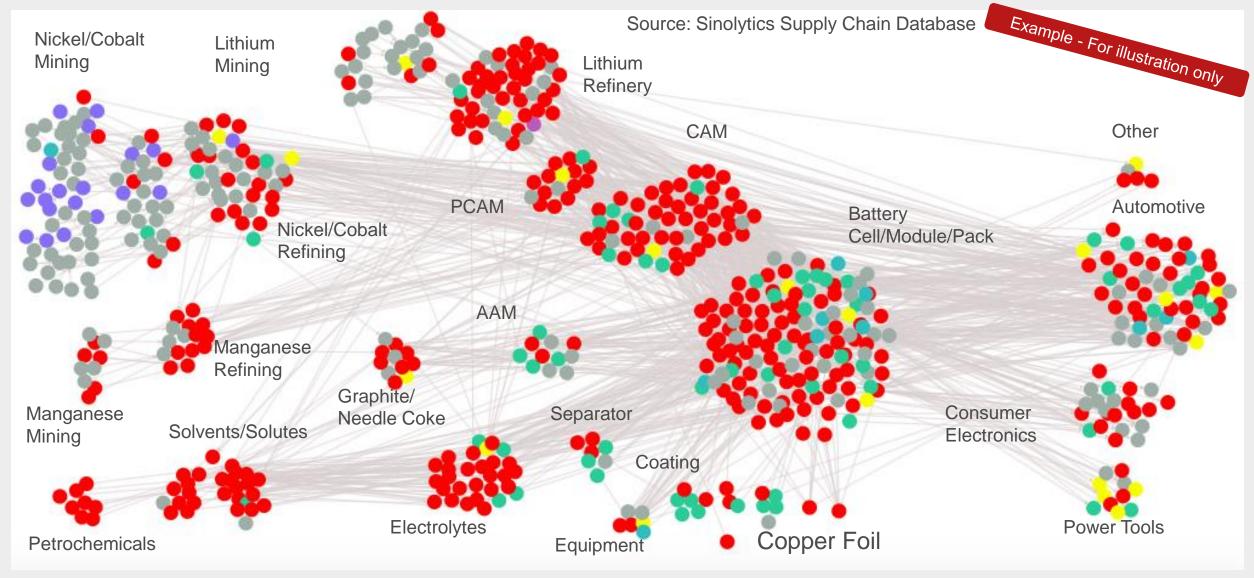
STEP 2 China dependency: Tier-X China dependency of critical components

Creating supply chain transparency beyond Tier-1 significantly improves strategic choices for resilience building





STEP 2 China dependency: Tier-X China dependency in the battery industry



The bubbles show suppliers or their subsidiaries. The lines show supplier-purchaser relations. Colors indicate headquarter location.



China



Japan/South Korea



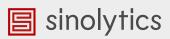
Germany



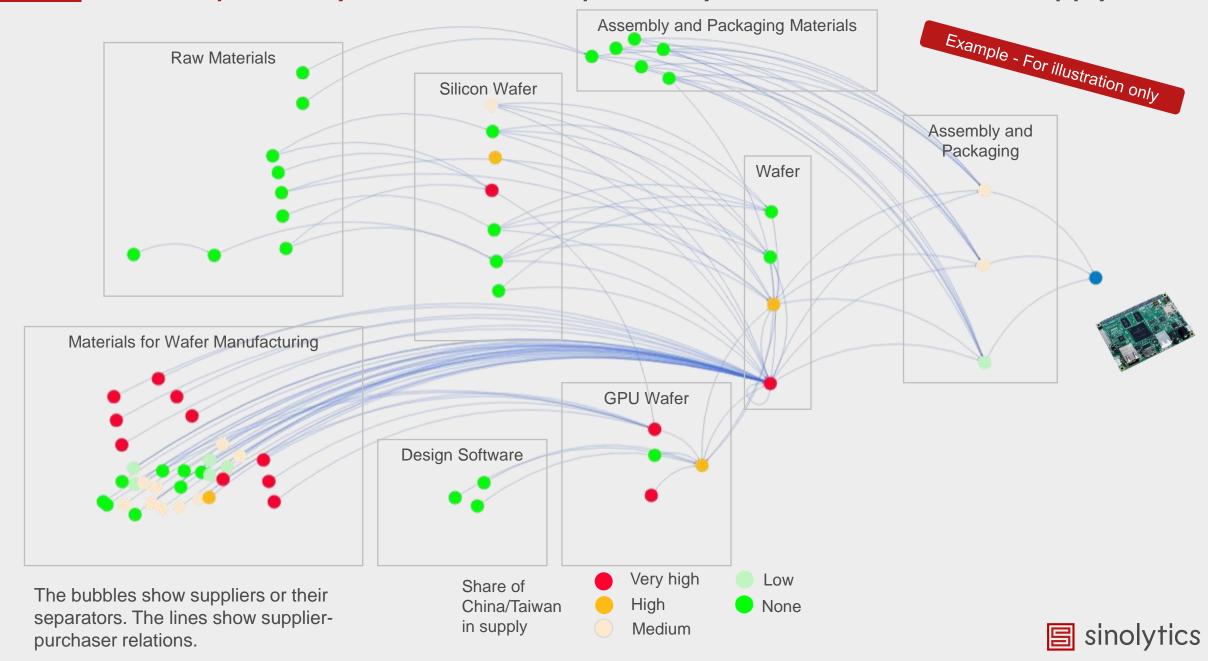
Congo



Other

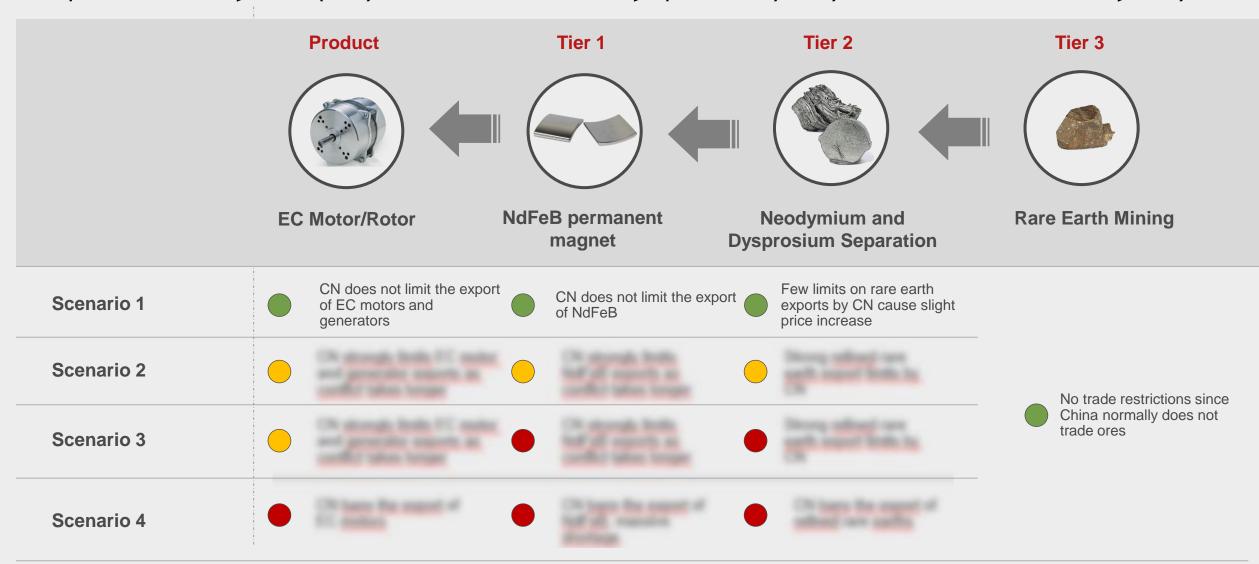


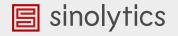
STEP 2 China dependency: Tier-X China dependency in the semiconductor supply chain



STEP 3 Risk Assessment: Scenario based impact forecasting

In-depth understanding of how policy actions are connected to geopolitical trajectory increases crucial forecasting ability





STEP 4 Measures: Benchmarking with other companies and using best practices

Better understanding of dependencies plus benchmarking and best practice analysis lead to effective resilience measures

Example Measures Basic Principles Prioritize Geopolitics Create Tier-X transparency China Purchasing Screening in Supply Decision **Digital Twins of Tier-X Stockpiling Supply Chain Risk Monitoring Vertical Integration De-Risking is not Decoupling Industrial Platforms Demand Tier-X Diversification Second Source Product Re-Design Neutral Country Sourcing Tier-X transparency**