crime&tech UNIVERSITÀ CATTOLICA del Sacro Cuore

Sinte

risk | master

The solution for third-party risk assessment and monitoring

TRANSCRIME
Joint Research Centre on Innovation and Crime

UNIVERSITÀ CATTOLICA del Sacro Cuore

- Joint Research Centre on Innovation and crime
- Focus: organised crime, corruption, money laundering and financial crime
- Since 1994, Transcrime has been the major European hub for research in these areas
- Partnerships and collaborations with law enforcement agencies, anti-corruption authorities, FIUs and public authorities at European and Italian level

www.transcrime.it/en/

Research

crime&tech

UNIVERSITÀ CATTOLICA del Sacro Cuore

- Spin-off company of Transcrime – Università Cattolica del Sacro Cuore – since 2015
- Risk indicators and models, IT applications for risk assessment and prevention
- Pioneering approach based on artificial intelligence (machine learning, text-mining, big data)
- ISO/IEC 27001:2022 certified
- Partnerships with data and technology solution providers

www.crimetech.it

Risk indicators and models

Sinte

- Highly innovative solutions based on advanced statistical models and AI algorithms
- Focus on AI & Data Science, Compliance, Cybersecurity, and Management Software
- Consulting for custom software development, IT support, and Web & App development
- ISO/IEC 27001:2022 certified

www.sinte.net/en/

Development and AI

The challenge: managing third-party risks

The framework

Suppliers, customers, and partners can represent a critical vulnerability for companies and institutions.
In an **increasingly demanding and complex** regulatory and reputational environment (Corporate criminal liability framework, Anti-Money Laundering, Anti-Corruption, CSDDD), it is essential to assess and monitor the risk of third parties being involved in illicit or fraudulent activities.

The challenge

Most organisations still rely on tools that are:

- **Fragmented**, lacking an integrated risk view
- **Manual and resource-intensive**, costly in time and effort
- **Outdated**, unable to capture risk evolution in real time
- **Hard to interpret**, offering little actionable insight

Crime&tech study (2024) on Italian companies:

- 50% **lack a structured method** to assess third parties
- 80% rely only on compliance list checks – with **no risk rating**
- 40% **limit checks to direct suppliers**, excluding subcontractors
- 70% have **no ongoing monitoring** in place

These gaps are often exposed by authorities, as shown by numerous judicial investigations

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THE SOLUTION

RISK MASTER enables the real-time assessment of suppliers, customers and third parties, providing continuous monitoring via automatic alerts. Its indicators and models are developed by a leading research centre and customised in collaboration with clients.

Pioneering research:
integrating empirically tested indicators and models validated in scientific studies

Multidimensional coverage:
the most comprehensive portfolio of anomaly indicators on the market, spanning multiple risk dimensions

Institutional validation:
models tested and validated in operational scenarios by public authorities (LEAs, FIUs, anti-corruption bodies)

An integrated, dynamic, and automated approach: combining and standardising heterogeneous sources, updating risk in real time, and reducing operational costs and errors

Beyond lists:
identifying risk signals not detectable through simple list screening

Customisation:
tailored to the client's specific risk profile, operational processes, and policies

The benefits of RISK MASTER

	WITHOUT RISK MASTER	WITH RISK MASTER
PROCESS GOVERNANCE	Absent or outsourced	Internalised and customised process
VERIFICATION TIME	Days	Minutes
ONGOING MONITORING	NO	Yes, with automatic alerts
ASSESSMENT APPROACH	Only check of previous evidence	Based on predictive models and statistical learning
RISK INDICATORS	Absent	Multidimensional, supported by scientific and regulatory validation
SCORING MODEL	Black box	Shared and customised with the client

They cover different risk dimensions

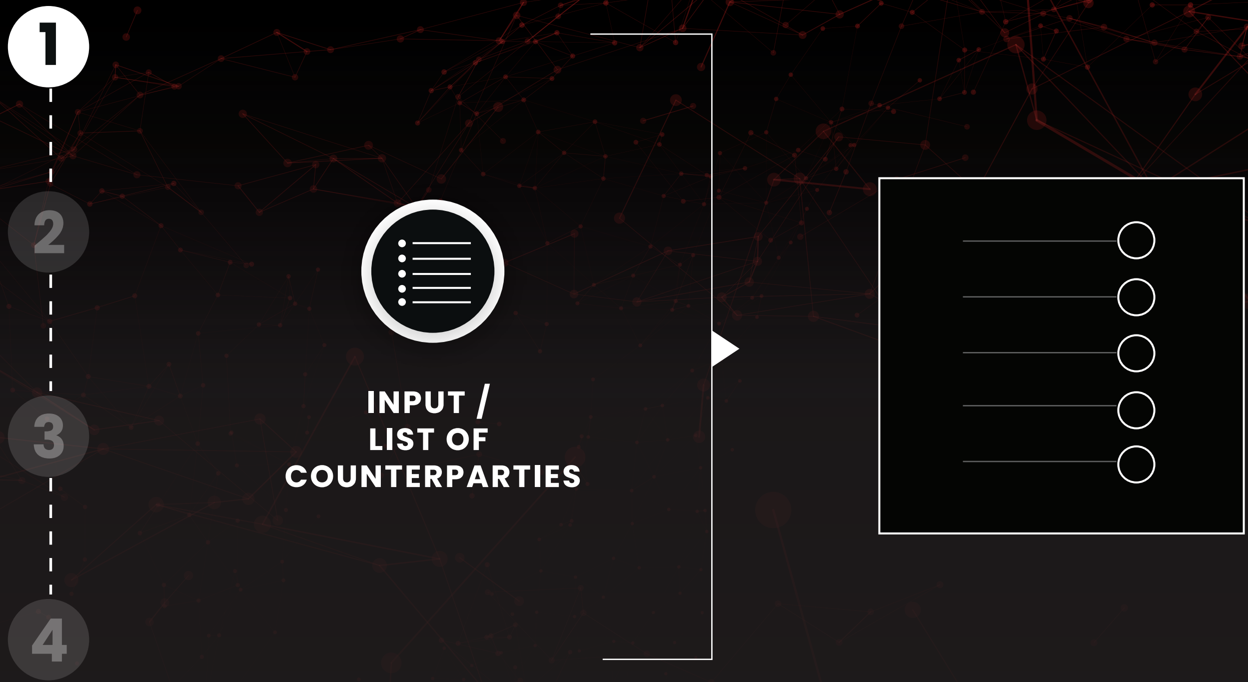
- Governance & Ownership structure
- Territory and sector
- Corporate networks
- Company history
- Financial structure & financial statements
- Political exposure
- Negative events & Sanctions
- Countermeasures
- Other*

*Possibility of extending to other types of risk, e.g. Business continuity, ESG, Cybersecurity and Data protection, Integrity ratings

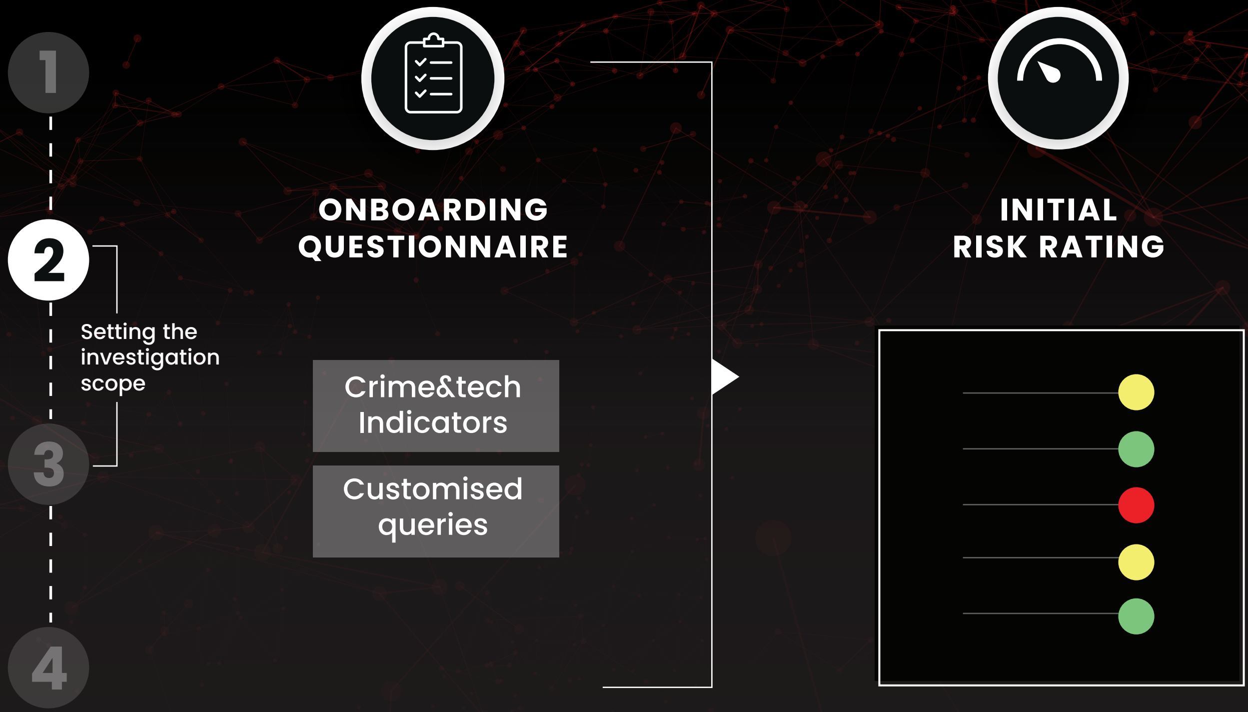
More than 20 indicators to assess risks

We cover different risk dimensions, because companies involved in criminal activities take different forms and there is no single indicator capable of identifying them all.

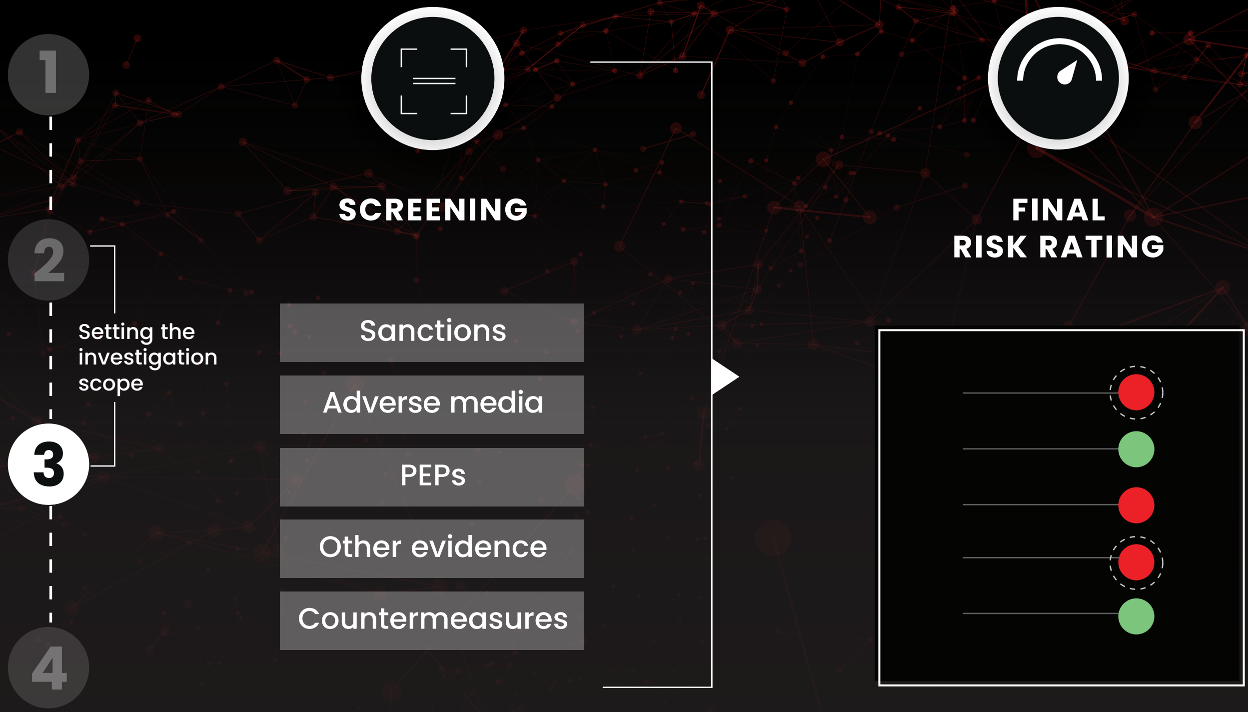
RISK MASTER – Automatic process



RISK MASTER – Automatic process



RISK MASTER – Automatic process



RISK MASTER – Automatic process

Usability: user-friendly display interfaces

Reconstruction of corporate networks (including transnational ones)

Specific risk scores on counterparties

Charts and aggregate metrics

Clients and Partners

Our network of clients and partners includes private companies, public institutions and authorities, banks, universities, technology and data providers.

Clients

- Banks and professionals
- Companies
- Data & technology provider
- Insurance companies
- Public bodies and governments
- Research centres and universities

Our clients operate in the following sectors:

- Retail
- Energy
- Logistics & transport
- Pharma
- Construction and public works
- Manufacturing
- Finance
- IT
- Public sector

Public authorities network:

Transcrime and Crime&tech cooperate with public authorities at national and international level and have signed conventions and framework agreements for the exchange of information for research purposes.

A selection of partner authorities:

A selection of our recent projects:

DATACROS III

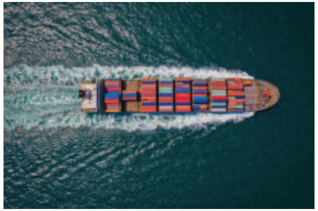
Developing an ethical AI-driven tool-box for boosting cross-border financial investigations on organised crime networks

EMERITUS

Environmental crimes' intelligence and investigation protocol based on multiple data sources

FALCON

Fight Against Large-scale Corruption and Organised Crime Networks



PROMENADE

Improved Maritime Awareness by Means of AI and BD Methods

INVERT

Identifying compaNies and Victims in the Exploitation phase to disRupt the financial business model of adult and child labour Trafficking

KLEPTOTRACE

Strengthening EU asset recovery and sanction tracing against transnational high-level corruption

Funded by international organisations, including:

European Commission

IDB Inter-American Development Bank

THE WORLD BANK

Discover all our projects: www.transcrime.it/en/projects/

Transcrime / Crime&tech

300+ Research Projects

Transcrime has conducted more than 300 research projects, funded by the United Nations, the European Commission, IADB/World Bank and government agencies at national and international level, aimed at studying and preventing organised and financial crime.

Institutional validation

List of authorities and organisations that use and have validated our tools and risk models:

Law enforcement authorities

- Europol
- Ministero dell'Interno, Italy
- Direzione Investigativa Antimafia, Italy
- Guardia di Finanza, Italy
- CNP – Cuerpo Nacional de Policía, Spain
- BFP – Police Federale Belge, Belgium
- DCPJ – Direction Centrale de la Police Judiciaire, France
- ANABI – Romania

Anti-corruption authorities

- ANAC – Autorità nazionale anticorruzione, Italy
- AFA – Agence française anticorruption, France
- OPLC – Prevention and Fight against Corruption
- Office of the Balearic Islands, Spain
- ANI, Romania
- DNA, Romania
- NCPA – Network of Corruption Prevention
- Council of Europe's Anti-corruption body (GRECO)

Competition and Market Authorities and other Public Authorities

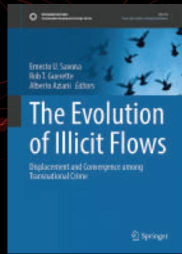
- ADLC – Autorité de la Concurrence, France
- CCRL – Competition Council of the Republic of Lithuania, Lithuania
- UOHS – Urad pro Ochranu Hospodarske Souteze, Czech Republic
- Direzione Nazionale Antimafia, Italy
- Regione Lombardia, Italy
- ORGA – Agenzia per la gestione dei beni confiscati, Spain

Private enterprises and civil society

- Banks and AML-regulated entities
- Companies in different sectors (e.g., energy, IT) for supplier and third-party screening
- Investigative journalism organisations (e.g. OCCRP, IRPImedia, RISE)

Scientific validation

- Nicolazzo, G., 2025. Criminal participation in the legal economy during a health crisis: A screening of the Italian economy during 2020 and 2021. *Journal of Economic Criminology, 8*
- Jofre M., Riccardi M., & Bosisio A., 2024. “Financial Crime Risk Assessment: Machine Learning Insights into Ownership Structures in Secrecy Firms”. *Global Crime*
- Riccardi M. & Carenzo A., 2024, “Behind the curtain: an empirical analysis of corporate opacity across countries and sectors worldwide to assess money laundering risks”, *AML Empirical Research Conference 2024*
- Bosisio, A., & Jofre, M. 2022, “Investigating High-Risk Firms”. *European Law Enforcement Research Bulletin, 22, SCE Nr.6: tbd.*
- Jofre, M., 2022, “Network analysis for financial crime risk assessment: the case study of the gambling division in Malta”. *Global Crime*
- Riccardi M., 2022 *Money laundering blacklists*, Routledge
- Transcrime, 2021, Developing a Tool to Assess Corruption Risk factors in firms’ Ownership Structure – Final Report of Project DATACROS. Milano: Università Cattolica del Sacro Cuore.
- Aziani A., Ferwerda J., Riccardi M., 2021, “Who are our owners? Exploring the ownership links of businesses to identify illicit financial flows”, *European Journal of Criminology*
- Bosisio A., Nicolazzo G., Riccardi M., 2021, I cambi di proprietà delle aziende italiane durante l’emergenza Covid-19: trend e fattori di rischio, *Transcrime Research in Brief*, Milano: Università Cattolica del Sacro Cuore.
- Riccardi M., Milani R., Camerini D., 2019, “Developing an indicator to assess the risk of money laundering across territories: an application to Italian provinces”, *European Journal of Criminal Policy and Research*
- Gerli S., Ascari R., Migliorati S., Cigna T., Borrotti M., 2024, Beyond human labelling: an automatic topic identification framework for big web data, *Electronic journal of applied statistical analysis*



University Education / Advanced Training

Transcrime, Crime&tech and Sinte coordinate or contribute to Master's courses and provide on-the-job training.

BSc in 'Criminology'

MSc in Crime & Security Analysis - CrimeSec

International Ph.D. in Criminology

MSc in Compliance, Business Development and Crime Prevention

MSc in Data Science

Summer school (e.g. AML and Cryptocurrencies and Cybercrime)

On-the-job training for public and private organisations

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