crime&tech

UNIVERSITÀ CATTOLICA del Sacro Cuore

Collect. Develop. Map. Assess. Detect.

From academic research

to crime prevention technologies

crime&tech

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Crime&tech srl (*www.crimetech.it*) is the spin-off company established in 2015 by Università Cattolica del Sacro Cuore and the researchers of Transcrime - Joint Research Centre on Innovation and Crime (*www.transcrime.it*).

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We translate Transcrime academic research into crime prevention solutions for the public and private sector, providing analysis, solutions and tools to evaluate, prevent and reduce crime and security risks.

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Crime&tech staff includes researchers, developers and experts from different disciplines (criminology, finance, statistics, IT and law).

crime&tech

translate into crime prevention solutions the academic research of

TRANSCRIME
Joint Research Centre on Innovation and Crime

UNIVERSITÀ CATTOLICA del Sacro Cuore

Transcrime - Università Cattolica del Sacro Cuore (www.transcrime.it) applies an integrated approach (criminology, law, economics, statistics, sociology, forensic accounting, data science, IT) in the following areas:

- **Organised crime**
- **Crime against businesses**
- **Money laundering**
- **Illegal trafficking**
- **Urban crime**

Since 1994, Transcrime has been the major European hub for research in these areas, with:

More than 300 Projects awarded

More than 150 Publications

More than 200 Partners

More than 30 Staff members

A selection of our recent projects:

DATACROS II
Empowering a Tool to Assess Corruption Risk factors in firms' Ownership Structure
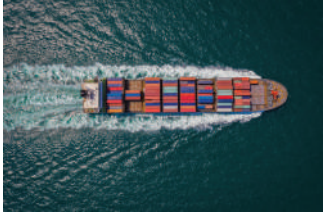
EMERITUS
Environmental crimes' intelligence and investigation protocol based on multiple data sources - Progetto di Crime&tech

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 organizations, including:

THE WORLD BANK

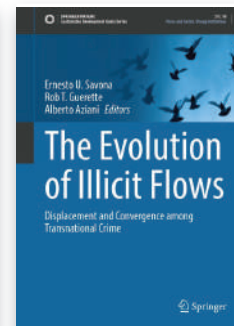**Discover all our projects:** www.transcrime.it/en/projects/

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.

Publications

A selection of our latest publications:

MAPPING THE RISK OF SERIOUS AND ORGANISED CRIME INFILTRATION IN EUROPE — Final report of the MORE project	**AML Data Sharing:** Indagine sulla condivisione di dati a fini antiriciclaggio — Maggio 2022	**Project DATACROS** — Developing a Tool to Assess Corruption Risk factors in firms' Ownership Structure	**The Evolution of Illicit Flows** — Displacement and Convergence among Transnational Crime — Ernesto U. Savona, Rob T. Guerette, Alberto Aziani Editors — Springer
Transcrime Research in Brief Serie Italia n. 3 — **Le Gang Giovanili in Italia**	**The theft of medicines in the EU**	**European Business Ownership & Control Structures – Phase III** — Final Report — EBOCS	**MONEY LAUNDERING BLACKLISTS** — Michele Riccardi

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

Products and Services

1.

Anti-Money Laundering

2.

Due diligence and Integrity Screening

3.

Retail Security and Loss Prevention

4.

Our Technologies

Anti-Money Laundering

We support banks, obligated entities and public authorities to improve early-detection and assessment of money laundering risks.

Find out more

Sensitivity analysis and predictive models

We carry out sensitivity analysis and consistency checks of the AML classification models currently employed by banks and obliged entities, and we support them in developing new predictive and detection models.

Risk and anomaly indicators

We can provide a wide array of risk and anomaly indicators, related to territory, sector, ownership/governance, financial/accounting dimensions, which can be applied in customer due diligence and AML/CFT threat detection.

Ownership tracing solutions

We provide solutions to help identifying beneficial owners, and to trace complex corporate structures, including those spanning across borders. We process data from business registers, BO registers and global corporate data providers.

Training on-the-job

We provide on-the-job-training to banks, professionals, financial intermediaries and public organisations on emerging AML/CFT issues, such as: beneficial ownership tracing, crypto-currencies, risk profiling techniques, new ML/TF threats and terrorism financing.

Risk reports

We produce risk reports on third-parties and counterparts identified by the client. The reports are customized to clients' needs and can be employed in M&A, fraud investigations, supplier due diligence and procurement screening activities.

Risk assessment dashboards

We provide dashboards and IT solutions which combine data from different sources (company data, ownership data, sanction lists, adverse media, anti-mafia checks, local political officers) and facilitate risk rating of suppliers and counterparts.

Procurement and collusion screening

We develop analyses and solutions which help to detect anomalous links and concentration patterns revealing collusive behaviour and fraud schemes, for example in public/private procurement or among a set of third-parties.

Training on-the-job

We provide on-the-job-training on a variety of topics in this domain, including: anti-mafia checks, regulatory developments in the anti-corruption and anti-fraud domain, effective use of OSINT and adverse media, innovative use of company and beneficial ownership data sources.

Due Diligence and Integrity Screening

We help corporates and public bodies to assess the risk of third-parties trhough an innovative approach of models and risk indicators and with dashboards and monitoring solutions

Find out more 🔗

⋀ risk | **master**

A tool for on-boarding, reputational due diligence and monitoring of counterparts.

⋁ risk | **visioner**

A tool for organised crime and corruption investigations

Find out more 🔗

Retail Security and Loss Prevention

We help retailers optimize operations and counter security threats through targeted analysis of proprietary data, advanced fraud detection models, training on-the-job for security awareness, and large-scale assessment of retail crime trends.

Find out more 🔗

Targeted analysis

We analyse your proprietary data (e.g. inventory or shrinkage data, point of sale or self-check-out transactions, security alerts, suppliers data) to identify problems and opportunities for improvement.

Fraud detection

We develop advanced analytical models to identify cases of fraud or procedural non-compliance. These services are offered as-a-service, directly or in collaboration with our partners. Alternatively, they can be incorporated in third-party IT systems.

Training on-the-job

We provide your team with dedicated on-the-job-training to improve the understanding of retail crimes, increase awareness of security issue and adopt effective remedies or countermeasures.

Big picture assessments

We conduct large scale analysis through surveys, interviews, and data analysis to cover specific knowledge gaps or expand awareness of crime and security trends in the retail sector.

APIs and data-feed

We can provide our analytics services, data and risk indicators (›Brochure) through a variety of channels including APIs, web-services and data-feed, depending on client needs and involvement of third-party technology providers.

Cloud-based solutions and SaaS

We develop cloud-based solutions to provide our services on clients' desk. We develop, internally and with our partners, graphical user interfaces (GUI) which can be customized to clients' needs.

Partnership with technology and data providers

We have established partnerships with leading providers of technologies in the AML/CFT, security and retail domains and global data providers.

Information security and privacy

We are certified ISO/IEC 27001:2013 and we regularly conduct VA/PT and information security assessments of our systems and channels. All our tools and services are subject to data protection impact assessment (DPIAs) to ensure compliance with privacy regulations and ethical principles (e.g. ethical risk profiling).

Our Technologies

We provide our services through an array of secure tailor-made channels which include APIs and web-services, web-based dashboards, SaaS solutions and data-feed. We are certified ISO/IEC 27001:2013 and we have partnership agreements with leading global data and technology providers.

Find out more

ISO 27001
BUREAU VERITAS
Certification

Crime&tech is ISO/IEC 27001:2013 certified

University Education

Transcrime and Crime&tech coordinate the Master's Degree and Ph.D. Programmes

Master's Degree in Crime and Security Analysis - CrimeSec (Università Cattolica del Sacro Cuore)

- Our courses prepare future Security Managers, Compliance Managers, Anti-fraud Analysts
- 500+ Alumni

Master's Degree in Compliance, Business Development and Crime Prevention (Università di Palermo)

- Our courses prepare future Compliance Managers and Risk Managers
- 200+ Alumni
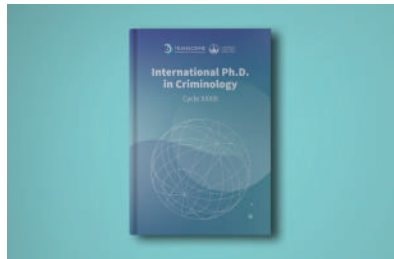
International Ph.D. in Criminology (Università Cattolica del Sacro Cuore)

Summer School

Latest editions:

- AML and Criptocurrencies
- The business model of cybercrime

On-the-job training for public and private organisations in these fields:

AML/CFT

Third-parties due diligence

Compliance

Crime prevention

Retail security and loss prevention

Advanced Training

Transcrime and Crime&tech offer training courses for professionals and public and private institutions to keep up to date with security, compliance and crime prevention.

Clients and Partners

The network of clients and partners of Crime&tech and Transcrime includes private companies, public institutions and authorities, banks, universities, technology and data providers.

MoUs and Framework Agreements

- Agreement for the development and improvement of techniques and models applied in the analysis of criminal phenomena
  Ministry of the Interior – Department of Public Security – Central Directorate of Criminal Police

- Memorandum of Understanding for information exchange aimed at developing indicators for monitoring and preventing criminal infiltration phenomena and countering fraud in the PNRR
  Guardia di Finanza – Lombardy Regional Command

- Framework agreement to support the activities of the European Commission and Europol's 'Seize and Freeze' task force, involving the Guardia di Finanza, in tracking the assets of sanctioned entities in the context of the Russo-Ukrainian conflict
  European Commission

- Memorandum for the exchange of data on antimafia documentation and businesses affected by administrative measures (antimafia interdictive measures)
  Ministry of the Interior – Prefecture of Milan and other prefectures

- Agreement for the exchange of information and research activities in the field of public procurement
  ANAC – Italian National Anti-Corruption Authority

Contacts

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Crime&tech

ISO 27001 BUREAU VERITAS Certification

Crime&tech is ISO/IEC 27001:2013 certified