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CO-DECISION TECHNOLOGY S.A.S. | Global Security Software

CO-MINING®CYBER_TRACKERSAUTOMATING THE INTEROPERABILITY OF FORCES

Business Analytics Editor and next-generation Artificial Intelligence (AI) / Products and services

For Defence, Police, Counter-terrorism services, Finance, Industry and consumers' market

Cyber_tracking, cognitive and predictive anticipation, digital transformation of industrial processes



Co-Mining® and its Cyber_Trackers bots are available in multiple security applications.

The new coordination agreement between French Municipal and National Police forces allows the bot to facilitate interoperability.

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Co-Decision is developing Co-Mining®, an Artificial Intelligence technology breakthrough that offers a new approach to safety and quality control. Based on this generic technology, the Cyber_Tracker bots, **d**ecider.**t**rack, namely (**d.t**), perform very advanced cross-checking and cognitive reasoning. The cyber_trackers connect to information sources – image streams, social media, financial databases, industrial process sensors, IoT, etc. – to carry out automatic investigations that mimic human reasoning. *"The applications are vast, in the civilian and military sectors"*, notes Dr. Martine Naillon, President of Co-Decision Technology. *"Co-Mining® can track potentially suspicious individuals in social media as well as detect and prevent acts of financial crime or control the quality of a 3D print in real time."*

DETECT, TRACK AND INVESTIGATE

Opportunities are also promising in the field of urban and territorial security. In 2018, based on its know-how in jihadists tracking, the company had already developed a prototype of the d.t_city solution for a large French metropolis. From the feeds received from the cameras deployed in the city, d.t_city identifies any vehicle with unusual behavior, zooms in on its plate number and allocates a tracker (on the vehicle or on an individual associated to the vehicle) 24 hours a day, 7 days a week to capture any repeat offense and to realize the removals of doubts, which usually come down to the human operator. *"We can now go further*, explains Dr Naillon. *Recently, municipalities in France entered into coordination agreements with the National Police (PN) which give them access to certain databases, via an IT gateway: national driving license system, vehicle registraxtion system or file of reported objects and vehicles."*

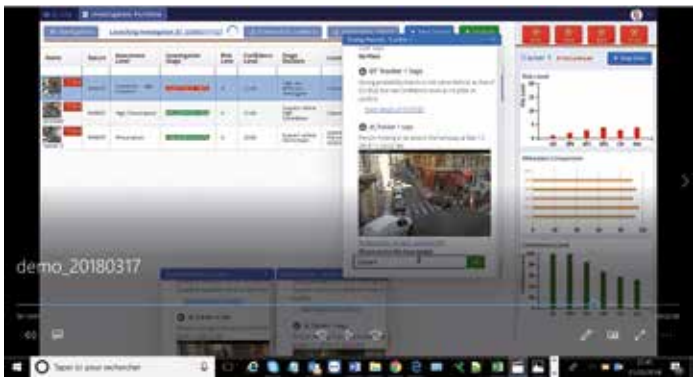


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In the Urban Supervision Centers (CSU in French), the police agents cooperate like operators in the trading rooms. From d.t_trade to d.t_city, the bot is adapted to automate the interoperability of forces and systems.

TOWARDS INTEROPERABILITY OF FORCES

These new agreements clearly strengthen joint operations between Urban tranquility and Homeland Security services. Co-Mining® can now also automatically cross heterogeneous information sources and strengthen the capabilities of Cyber_investigator robots. Once a suspicious vehicle has been identified, the robot can search for its owner and, in coordination with the National Police, find out if the individual is known to the police. *"Our cyber_trackers mimic the reasoning of operators who use standard Big Data platforms"*, summarizes Dr. Naillon. *"The wider their scope of research, the more useful they are. Hence the capability of robotizing the interoperability of forces and systems by gradually linking municipalities and Homeland Security forces, makes our cyber_trackers, dedicated by security forces (municipal or national), able to cooperate together."* ■



d.t_city in operation. Suspicious vehicles tracked by the robot, which dialogues with the policeman, to progress in its bot cyber_investigation. This is "Man Machine Co-Decision".

Decision-making and Command AI support

After the current AI so-called Mining – which consists, for example, in identifying the suspicious behavior of an individual from a video stream (Video Content Analytics) – a new generation of AI is currently emerging, the "CoMining". Co-Decision is actively contributing to this by developing its new d.t_security bot.By becoming able to cross-reference the sources and reasoning of Co-Mining® robot trackers, AI tools can conduct real investigations, mimicking human investigators,and sometimes even anticipate a risk even before the "damage" (attack and other criminal act, industrial accident and "non-quality", financial drift, etc.) occurs. This accelerates and refines collaborative human decision-making and provides support to inter-force command.

ADVERTISING