AI Trade Surveillance

Our Trade Surveillance system reduces screening hours/workload up to 80%
Monitoring of Illegal Transactions Using AI

—Narrowing down “suspicious transactions” from tens of millions of securities transactions per day—

Tokyo Stock Exchange operator Japan Exchange Group (JPX) has launched full-scale operations of an artificial intelligence (AI) system to support market surveillance operations for securities transactions in March 2018. The system uses NEC’s AI technology centered on deep learning technology RAPID Machine Learning as its platform AI technology.

For more details, visit the following:

- The challenge of tackling illegal transactions using AI: Narrowing down "suspicious transactions" from tens of millions of securities transactions per day
- NEC and Japan Exchange Regulation Use AI to Monitor Stock Market Conditions

Advanced AI Technologies

Highly accurate detection by “NEC the Wise”

Trade surveillance using AI

New flow

AI handles a part of screening

Reduction of screening hours/workload up to 80%

What Only NEC Can Do

- Accurately scores the level of illegality using cutting-edge deep learning technology
- Contributes to improve efficiency of screening operations with high accuracy and speed
- White box AI technology that can produce “why” the AI reached that conclusion
- Automatically derive the reasons of detecting illegality and rules of scoring