



TOD™ Operational and Strategic Options

“The Age of Tissue Computing has Arrived™”

Program Trading

Stocks, Bonds, Treasuries, Currencies, Futures, Commodities, Cryptos, Others

Purpose: To acquire the most advanced and complete automated program trading system to address rapid high-speed sophisticated methodologies and algorithm-based buy and sell trading of items. These items may include stocks, bonds, treasuries, commodities, and other items for which profits can be obtained with quick responses to market forecasting knowledge and timely response to market trends.

Process: The Tissue Operating Device (TOD™), with millions of living neurons, delivers superior processing speed and throughput. It also provides the capacity to combine adaptive thinking and assembled knowledge to deliver intuitive neural intelligence. With proper training and learning supplied by skilled mathematicians and application programmers in the area of targeted program trading, TOD™ can deliver “learned” advance trading strategies, analysis, suggested trading decisions, and support automated trading activities.

The TOD™ platform provides the operational hardware and software to perform advanced analysis, and support of high-speed program trading. The user provides the core trading methodologies, analytics, and algorithms through which to train TOD™ to learn the desired processes to deliver the desired program trading results.

Solutions and Strategies: Advancing technologies have brought desired solutions. In general, when addressing and using electronic trading exchanges, time is an extremely critical element to maximizing profits. For that reason, program traders tend to locate their trading computers as close to the electronic exchange servers as possible. Other critical elements are the details, adjustments, and specifics of the user’s trading mythologies and Trading Algorithm (TA).

TOD™ offers users various advantageous options on selection of and the siting of the TOD™ Models and the associated security of the user’s TA programs.

Service Providers

There are usually data center service providers, with either co-located facilities with the exchange servers or data center sites which are physical close to the exchange servers. All TOD™ Models can be locate and operated from these service provider's data centers.

These exchange close data sites are typically expensive, and therefore, may greatly reduce potential program trading profits. In addition, staff members of these service providers have been known to “steal” programing code and data from data center customers. This risk is real and can be devastating to any program trading business model.

Acquiring a TOD™ for program trading can expand the available physical siting options. With the greatly enhanced processing speed and ability of TOD™ to perform adaptive thinking, and use assembled knowledge to empower intuitive neural intelligence, the need to be co-located in the exchange servers' room or even in the same building as the exchange servers is eliminated. With TOD™ as the program trading computer, locating office space and data center facilities within a mile or two of the exchange servers is a viable option.

Captive Control

As an alternative to contracted service provider data center facilities, TOD™ offers users lower costs, and greater TA protection options. Commonly there are three options to consider.

Distributed TA – One or more TOD™ floor models located in-house, within the user's office or other facility.

Centralized TA - One or more TOD™ cabinet models located within a user operated data center.

Blended TA - A user defined combination of TOD™ Models located within a user operated data center and other office or facility.

Distributed TA

Under this option the user acquires one or more TOD™ floor models (e.g., a Model 16 or Model 48). Using these floor models there is no costs associated with constructing and operating an in-house data center. These TOD™ floor models operate at any location, with access to normal electrical power and at standard room temperatures. Furthermore, these floor models are transportable from one location to another.

Equally important, with this floor model option is that user's TA intellectual property assets will be safely under the physical and administrative control of the user.

Acquiring multiple floor units assure a backup capability by providing continued programming trade should a TOD™ unit experience downtime. Multiple floor models also enhance the protection of trade secrets, the TA assets. Using a multiple number of floor models, allows assigning individual, separated TA development teams, each accessing to only a single TOD™ unit.

With this approach, the development team addressing neuron training, learning, and establishing full operational programming trading service is solely limited to one floor model and no other unit. This multiple floor model trade secret insulation approach can greatly increase security of the TA assets, which are the user's key to providing profits from program trading.

Centralized TA

The selection of the Centralized TA option is more costly but provides a number of desirable benefits. One includes the ability to consolidate into a single physical location all of the TOD™ processing capacity. This allows for additional physical, electronic, and manned security of the TOD™ and TA assets.

All TOD™ Models can be operated from a cabinet configuration, all Models above Model 48 require a cabinet for operations. Data transfers between cabinets within a data center can be both high-data flow TC-Cord networks and standard digital networks.

Blended TA

The Blended TA option is simply the integration of the Distributed and the Centralized options. Floor models can be located anywhere, with digital data network linkage to the in-house user data center and/or to exterior destinations and data sources.

For additional support in reviewing these operational and strategic options review the data available using the TOD tab at the BCM website or contact a BCM Representative.

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