

Autonomous Trading Machines

How it Works

1

EXTRACTION

2

TRANSFORMATION

3

**DEFINE THE
PLAN**

4

**PROMOTE
THE PLAN**

5

**SEARCH,
MATCH,
EXECUTE**

6

**TUNE AND
MANAGE**

1

EXTRACTION



Input Time Feed

MARKET: NASDAQ

FREQUENCY: Day/Week/Month/Quarter



Condense Attributes

Isolate pertinent trades
and tokenize

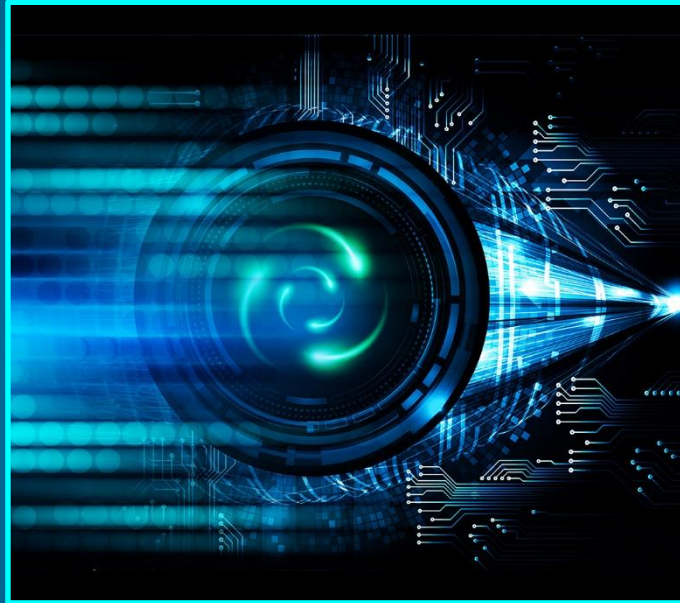


Finalize Token

Create index and store
time slice

2

TRANSFORMATION



TRANSFORM

Modify the tokens for pattern processing



LOAD

Input to GPU memory for pattern matching

11.15	74.10	798.02	13.65	11.15	12.8
547.16	10.77	41.63	17.68	21.34	12.0
15.55	111.02	17.99	86.21	34.55	31.7
13.49	77.99	226.03	113.03	51.81	64.7
21.25	40.07	18.14	57.98	50.57	102.0
31.98	12.78	16.97	120.45	94.15	324.0
38.06	66.03	11.42	67.41	75.61	214.5
47.56	74.10	314.63	75.44	6.09	21.6
61.94	65.97	27.99	13.98	124.14	123.6
103.58	10.32	36.14	42.88	15.05	27.0
106.87	13.74	124.21	21.42	174.10	78.6
23.68	48.63	287.32	13.10	25.48	582.6
53.74	55.77	16.84	87.06	16.11	312.1
25.06	105.67	132.55	43.67	176.15	25.9
21.66	847.16	74.23	123.09	94.57	13.2
12.74	12.36	46.85	11.77	102.61	12.5

IDENTIFY

All patterns using artificial intelligence algorithms

3

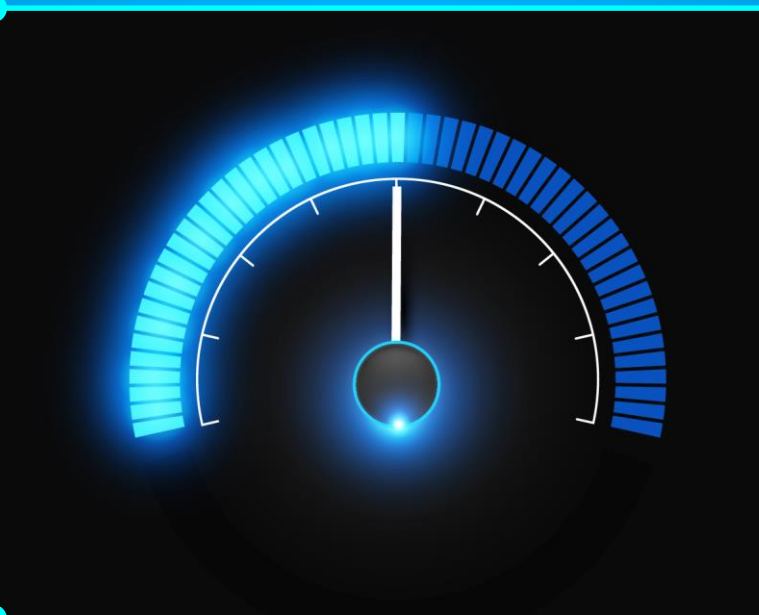
DEFINE THE PLAN

SELECT



Set the Stock, Price
Buy/Sell and Quantity

DEFINE



Outline the pattern per stock
and set your Confidence Threshold

TEST



Compare the plan against the
ATM pattern offline data set

4 PROMOTE THE PLAN



Send the Trading Plan to
the Real Time ATM



5

SEARCH, MATCH, EXECUTE



• **ANALYZE** the select markets in real time



• **EXTRACT** patterns at or above the set probability threshold



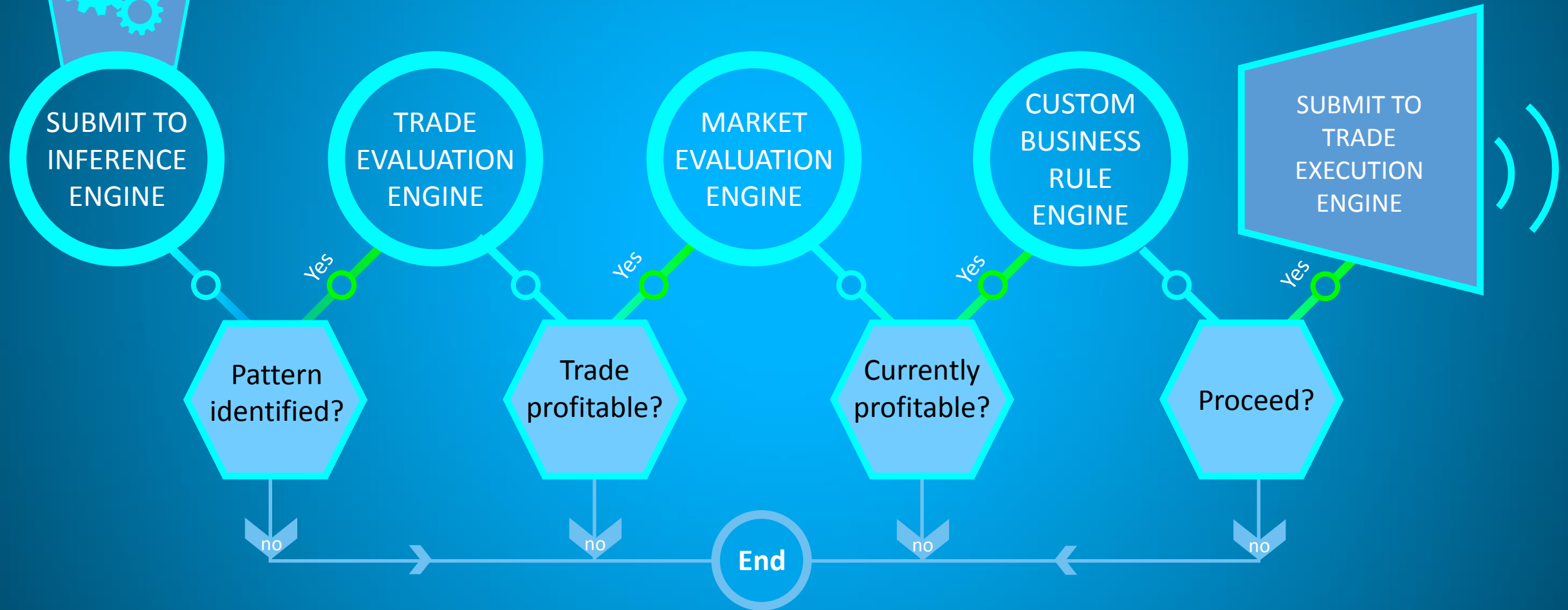
• **EXECUTE** trades based on defined strategies

6 TUNE & MANAGE



ADAPT the algorithm based on performance for **higher returns** or new market patterns

ATM PROCESS



CUSTOM BUSINESS RULES ENGINE

