

Virtu by the Numbers



Scale, Service, and Distribution

2,000+

Clients

235+

Venues

50+

Countries

15

Offices

10,000+

Managed FIX
Connections

5,700+

Unique EMS
Installations

1,600+

3rd Party EMS /
OMS Connections

900+

IOI connections

Global Footprint



**Shaded areas represent regions in which Virtu provides services or interacts with the market*

Virtu is a Technology Service Provider to the Global Financial Markets



Virtu provides an end-to-end suite of technology-enabled products and services

Workflow Solutions

World-class product set of execution and trading tools embedded in the workflow of clients



Multi-Asset Class

We transact in over **25,000** financial instruments in all major asset classes.



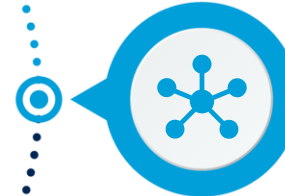
Global Execution Capabilities

Our footprint connects **235+** venues in over **50** countries



Access to multiple sources of liquidity

- Retail/RIA
- Institutional blocks
- Principal market making flow



Engaged participants

Global, blue chip client base



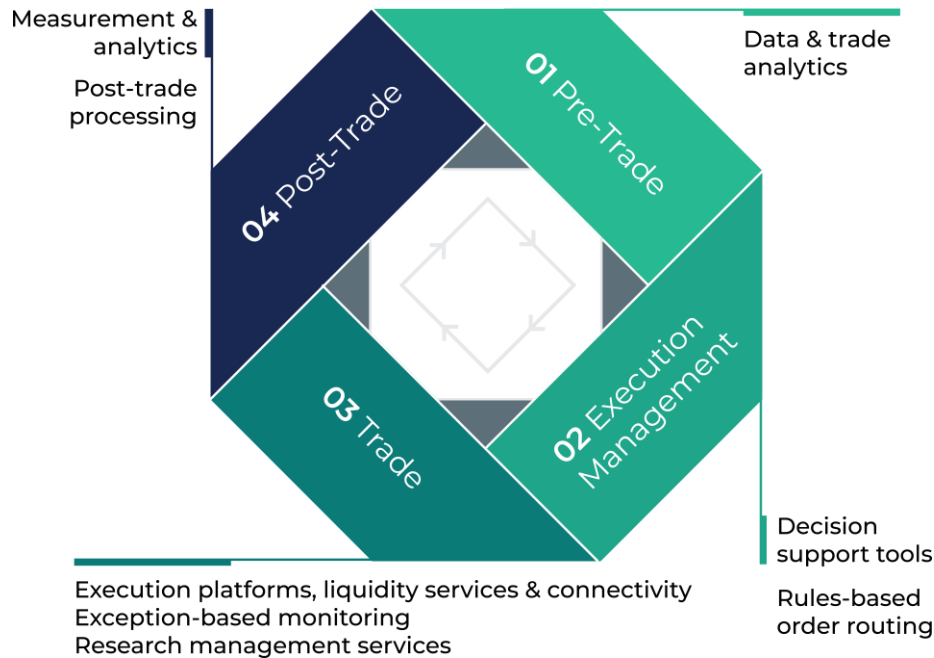
Trading Analytics & Data

- End-to-end pre-, intra- and post-trade analytics
- Outlier monitoring
- Peer Group data



2,000+
Clients

VES Client Solutions



Our complete suite of solutions covers the trade-lifecycle

We leverage our exceptional technology, market structure expertise and scale to drive value and lower execution costs for our clients throughout the multi-asset trade cycle.

Multi-asset execution and analytics tools and services

1

Portfolio Management

- Portfolio Optimization
- Cost Curves
- Fair Value
- Risk Models
- Execution Consulting

2

Pre-Trade

- Pre-trade TCA
- Agency Cost Estimator
- Commission Management
- Risk Analysis
- Liquidity Studies
- Index Analysis

3

Trade

- Algos
- DMA/SOR
- High-touch/Blocks
- Real-time TCA
- Trade Surveillance Crossing
- 3rd party liquidity access
- Order delivery to desk
- At-the-Market (ATM) Offerings

4

Post-Trade

- Frontier Prism
- Clearance/settlement
- Peer Group data
- Venue analysis/outlier monitoring
- Post-trade TCA
- MIS/reporting
- Book and records
- Open Tech (data API)

Execution and trading tools