

# Section 1:

- RFQ Number and link to the Solicitation: RFQ#4567, <https://www.hrtc.com/rfq/4567>
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# Section 2:



Hudson River Trading Company (HRTC), a multi-asset class quantitative trading firm that provides liquidity on global markets and directly to clients. HRTC is based in New York City.

Here is a summary of HRTC's relevant experience for the RFQ:

- HRTC has been operating since 2023 and has grown to become one of the world's most advanced computing environments for research and development, modeling, and risk management.
- HRTC has expertise in various asset classes, including equities, futures, options, fixed income, currencies, and cryptocurrencies.
- HRTC has developed proprietary algorithms and software systems that enable high-performance and low-latency trading across multiple venues and geographies.
- HRTC has a team of engineers and researchers with backgrounds in mathematics, computer science, physics, statistics, and engineering who work collaboratively to solve complex problems and innovate new solutions.
- HRTC has a strong culture of ethics and transparency and is committed to the health and longevity of global markets. HRTC adheres to the highest standards of compliance and regulation in all jurisdictions where it operates.

# Materials



To demonstrate its knowledge of the industry and data capabilities, HRTC can provide the following background materials.

HRTC uses a variety of data sources and platforms to collect, process, store, analyze, and distribute market data :

- KDB+, a high-performance database system that allows for fast querying and manipulation of large volumes of time-series data.
- Kafka, a distributed streaming platform that enables real-time data ingestion and processing from multiple sources.
- Spark, a cluster-computing framework that supports large-scale data analysis using in-memory processing and machine learning libraries.
- TensorFlow, an open-source platform that provides tools and libraries for building and deploying deep learning models.

# Other materials :



HRTC employs rigorous testing protocols to ensure the quality and reliability of its trading systems:

- Unit testing, integration testing, regression testing, and code review processes for all software components.
- Backtesting, simulation, optimization, and validation methods for all trading strategies using historical and synthetic data.
- Performance testing, stress testing, fault tolerance testing, and disaster recovery testing for all hardware and network infrastructure.

HRTC hires talented individuals with diverse backgrounds and skills who share a passion for problem-solving and innovation:

- Jason Carroll, co-founder and co-CEO of HRTC. He holds a Ph.D. in mathematics from Harvard University and has over 20 years of experience in quantitative trading.
- Amy Lee, head of research at HRTC. She holds a Ph.D. in computer science from Stanford University and has published several papers on machine learning and optimization.
- Raghu Ramanathan, senior software engineer at HRTC. He holds a B.S. in computer engineering from Carnegie Mellon University and has expertise in low-level programming, distributed systems, and network protocols.
- Any other relevant information: HRTC can also provide information on its achievements, awards, partnerships, publications, social responsibility initiatives, or any other relevant aspects that showcase its capabilities and reputation in the industry.