



HYPERION RESEARCH

# The Global QC Market: Realistic and Steady Growth Ahead

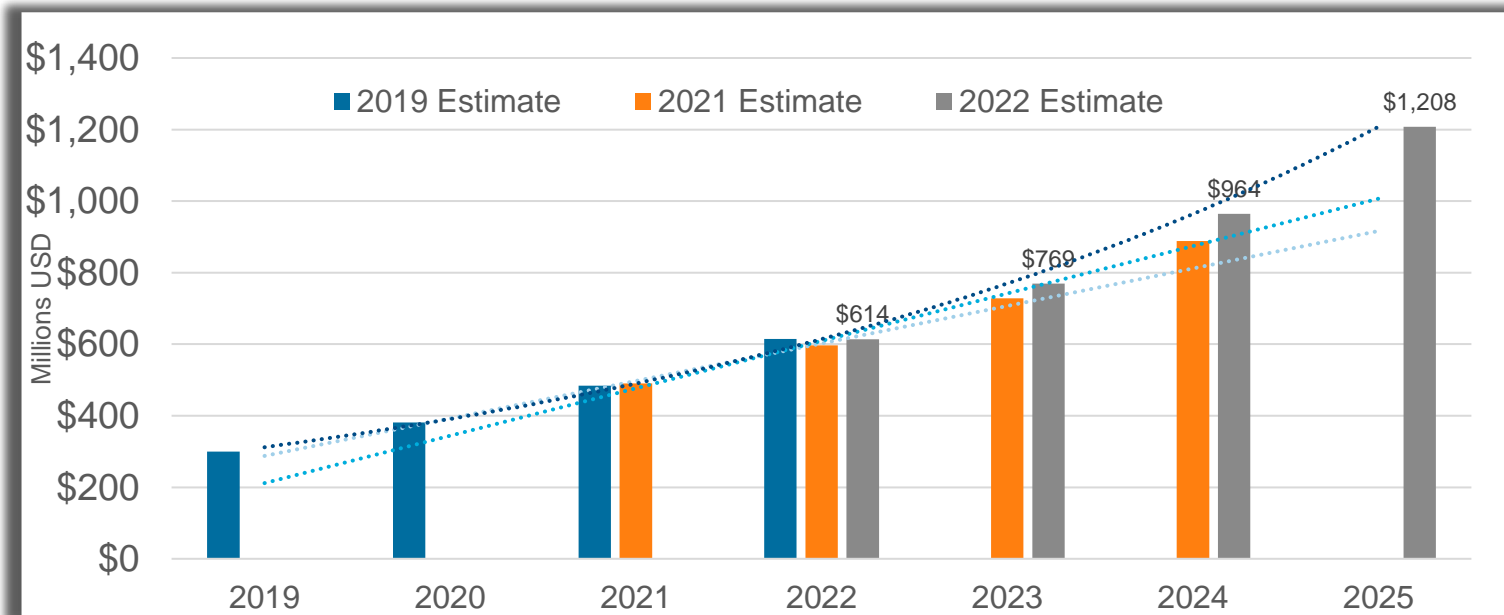
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# QC Market Highlights

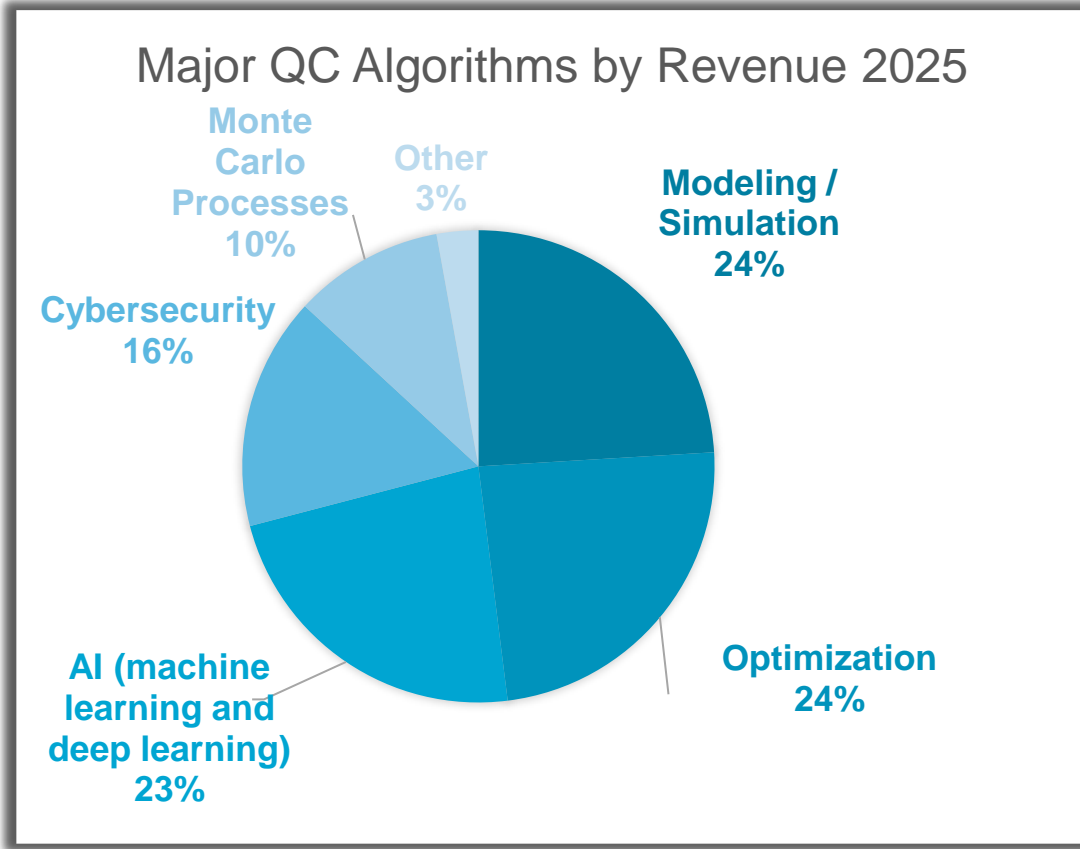
*Building a data driven market forecast*

- **The global QC market estimated to be worth \$770 million USD in 2023**
  - Based on a survey of 145 respondents, 18 different countries, 108 QC companies,
- **Projected to grow at an annual rate of 25.3% out to 2025**
  - Driving the global QC market to approximately \$1.2 billion USD in 2025



# QC Market 2025: Major Algorithms by Revenue

*Mod/sim, optimization, and AI share significant and near equal presence*



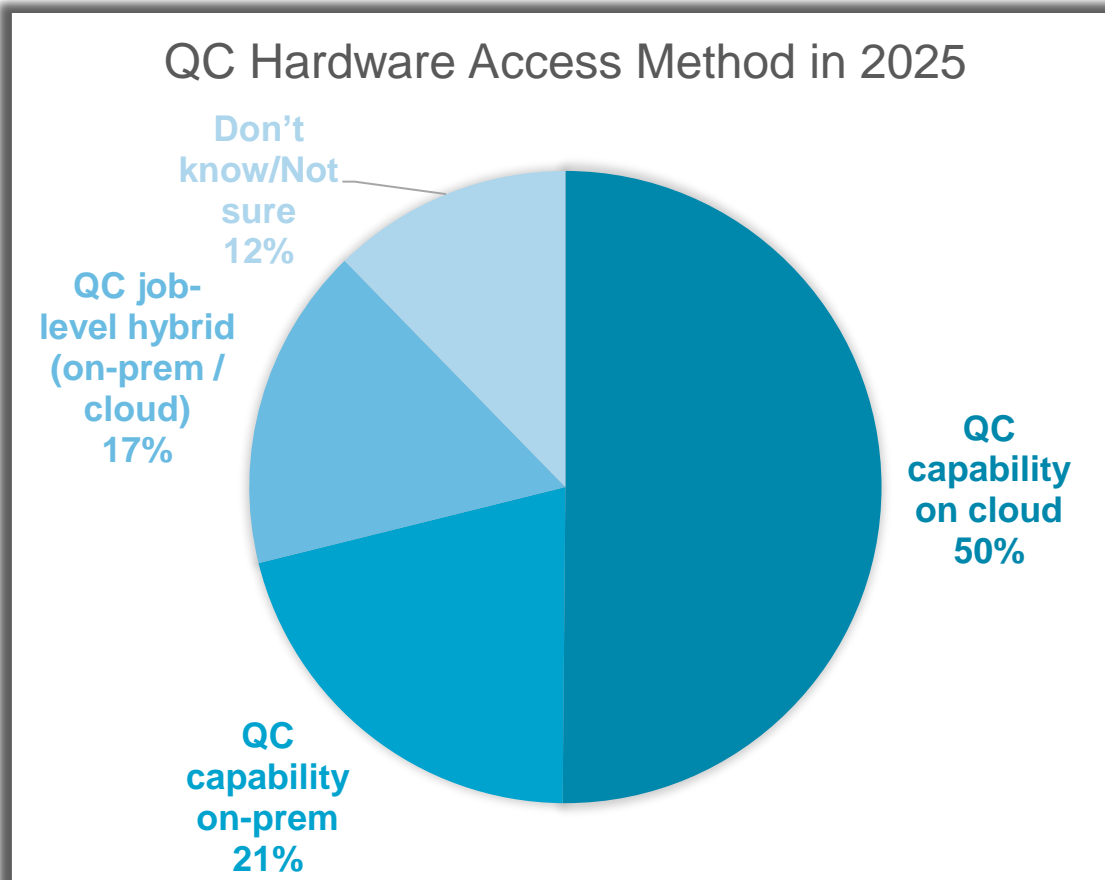
- **No major changes from last year's study**
  - Slight downturn in machine learning
  - Slight upticks in mod/sim and optimization
- **No specifics on "Other"**
- **Is this list really the complete set?**

N = 113



# QC Market 2025: QC Access Method

*Cloud continues to dominate as preferred QC hardware access method*



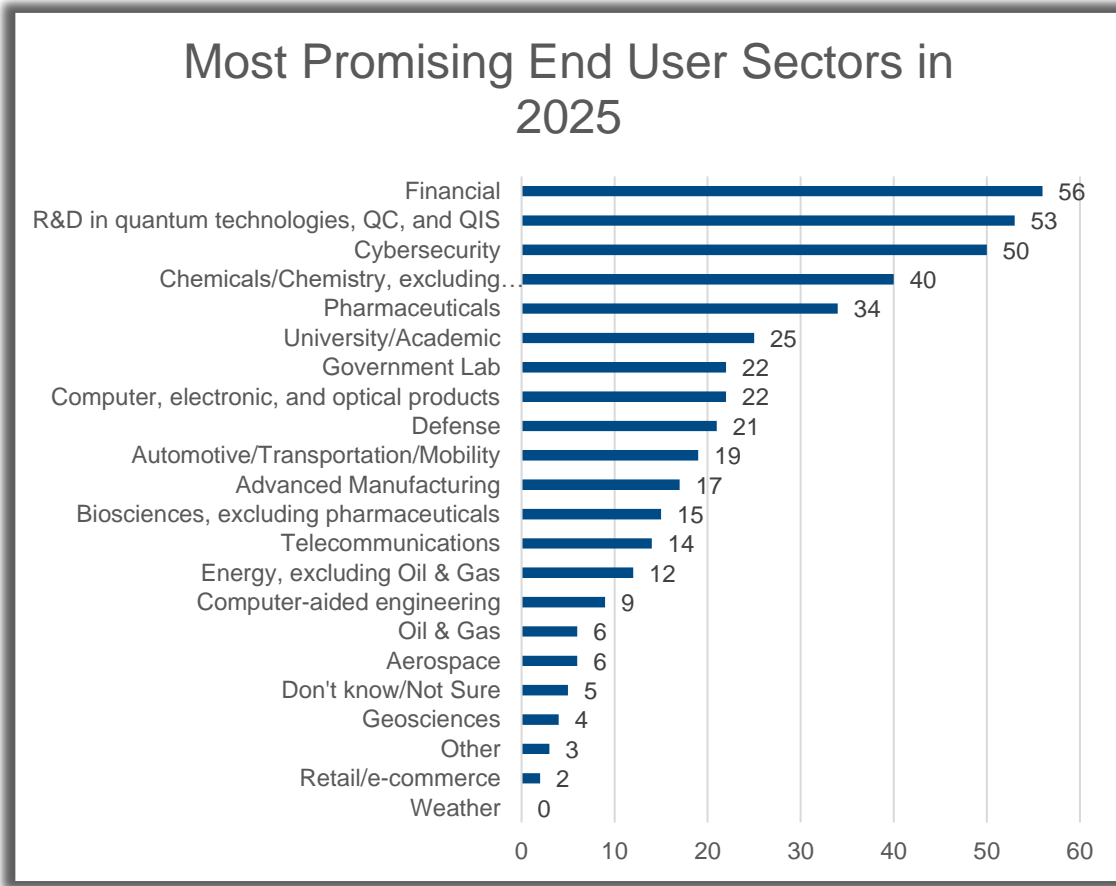
- **Cloud supports half of total QC hardware access**
  - Combined with hybrid, cloud involved in 67% of total QC hardware market access
- **No major changes from last year's**

N = 145



# QC Market 2025: Top Three End User Sectors

*Financial, QC R&D and cybersecurity on top, but broad applicability envisioned*



- **Financial chosen by one in three respondents as a top three most promising QC end user sector**
  - **But only narrowly ahead of QC R&D and cybersecurity**
- **Nearly every sector choice deemed important by some**

N = 145, Select top three



# QC Early Adopter Study Summary

- **Wide range of QC-related activities currently underway in commercial sector**
  - **485** organizations contacted to locate 300 QC early adopters (62%)
    - **34%** exploring options and monitoring technology
    - **26%** conducting use case analysis
    - **14%** engaged in production use
- **Greatest hurdles to QC adoption are complexities with integrating QC into existing IT infrastructure and clearly demonstrating QC ROI**
- **Positive QC adopter plans for next 2-3 years**
  - More than half are looking at measured growth
  - One-third see aggressive efforts
  - Only a small number (**2%**) indicate disillusionment with QC

# Some Closing Thoughts

## *Time permitting*

- **National sovereignty concerns are on the rise and could become invasive to the progress of the sector writ large**
- **QC professional services could become a critical contributor to the prospects of the sector**
  - Composed of a mix of QC and non-QC-specific consulting entities
- **As in HPC, large government procurements could soon alter the trajectory of the sector**
  - A double-edged sword in the making?
- **Questions about continued VC investment (currently at an impressive magnitude and rate of growth) is causing no small degree of angst**
  - Many private firms will continue to rely on private funding instruments for the near future



# QUESTIONS?



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*Too great a burden of knowledge can clog the wheels of imagination. When a distinguished but elderly scientist states that something is possible, he is almost certainly right. When he states that something is impossible, he is very probably wrong.*

-Arthur C. Clark