

Quantum Computing Intelligence Service

Consolidating and extending Omdia's research program covering the global quantum computing market.

“Forward-thinking companies are experimenting today with current NISQ-era quantum computers to prepare themselves to compete effectively when fully fault-tolerant quantum computers offer a robust advantage over today's classical computers, which is expected by the end of this decade.”

Sam Lucero
Chief Analyst

Quantum Computing Intelligence Service

Analyzing the commercialization of quantum computing technology

HOW OMDIA HELPS YOU

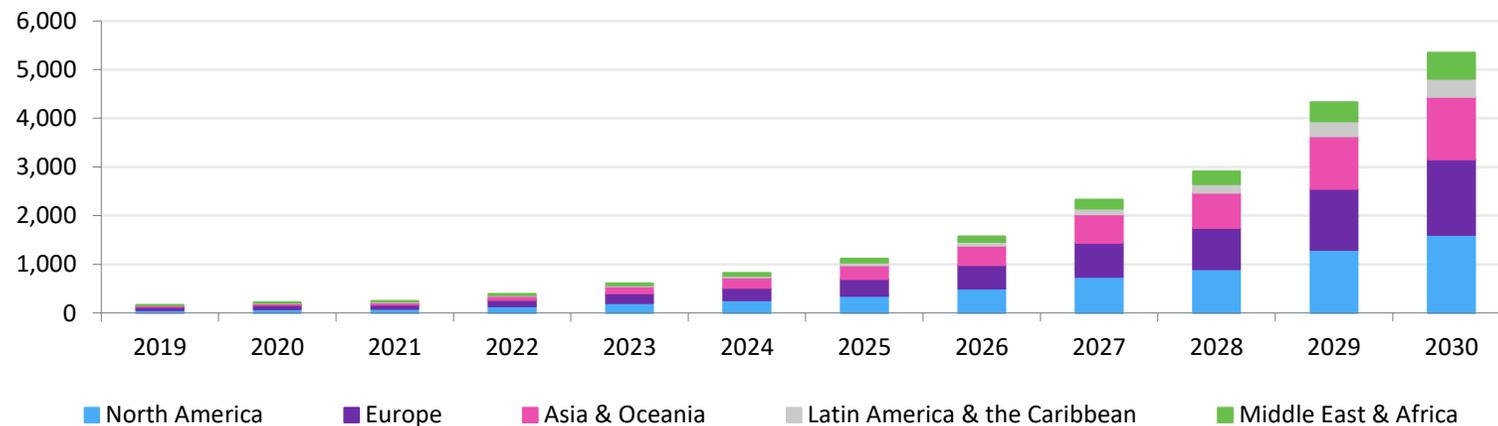
- **Inform:** Analyze technology and market trends in the quantum computing (QC) industry.
- **Advise:** Recommend strategic actions to optimize clients' commercial opportunity.
- **Amplify:** Enhance clients' marketing and business development efforts by leveraging Informa Tech's global media and events platform.

KEY QUESTIONS ADDRESSED

- What is the estimated current size and future market opportunity for QC industry revenue?
- How is QC technology developing now and likely to evolve in the future?
- What are the needs, preferences, and current activities of QC adopters in this market?
- How is QC technology being used to address specific verticals, applications, and use cases?
- What is the current landscape of QC technology providers and how is this landscape evolving?
- Who are the key providers of QC technology and how do they differentiate themselves in the market?
- How is investment and funding of QC research and commercialization activities developing?
- How are governments and regulatory bodies engaging with the QC industry?
- What is the individual impact of key announcements in the industry, assessed as they occur?

Total enterprise quantum computing revenue by region, world market: 2019–30

Revenue (\$m)



Source: Omdia

© 2022 Omdia

Quantum Computing: Meet the Analysts

- Analysts on the team are based in **North America, Europe, and Asia & Oceania.**
- **2018** – Started publishing standalone quantum computing market research reports.
- **2022** – Launching full quantum computing research program.
- **Sam Lucero** and **Roy Illsley** each have 20+ years of experience serving technology ecosystem clients as industry analysts.



Sam Lucero



Roy Illsley



**Alexander
Harrowell**



**Sivalingam
Muniandi**



**Amni Abdul
Ghapar**



Siraj Aziz

Quantum Computing: Deliverables



MARKET FORECAST

—Annual—

A ten-year view on revenue growth in the global quantum computing market, segmented by region, product type, and industry.



VENDOR BENCHMARKS

—Annual—

Detailed benchmarking analysis of key vendors in the quantum computing value chain, based on both qualitative and quantitative assessments.



REPORTS

—Annual—

In-depth studies focused on specific technology and market issues and segments, providing both qualitative and quantitative analysis.



ANALYST INSIGHTS

—Ongoing—

Analyst commentary on market shifts, technology and regional developments, vendors, events, and more.



MARKET TRACKER

—Quarterly—

Quarterly update of vendor database, adopter database, investments, and significant technology developments.



ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions.

Quantum Computing: Market Data

Market Forecast

Ten-year forecast of global quantum computing vendor revenue segmented by region, product type, and industry. Published with an accompanying qualitative market landscape report providing detailed explanation and analysis of the forecast results.

Frequency: Updated annually

Adopter and Vendor Surveys

- Quantitative survey (with associated qualitative analysis) of adopters of quantum computing technology in China, Germany, and the US.
- Quantitative survey (with associated qualitative analysis) of a select set of quantum computing vendors.

Frequency: Updated annually

Market Tracker

Extensive database with dashboarding and analysis of five key data sets: Vendors, Adopters, Product News, Investment News, and Government News.

Frequency: Updated quarterly

Vendor Benchmark Reports

Quantitative and qualitative benchmarking studies of vendors at multiple levels of the value stack, based on one-on-one depth interviews with the vendors and extensive secondary research.

Frequency: Updated annually

Quantum Computing: Topical Reports

Technology Analysis Reports

Detailed qualitative studies of key segments of the quantum computing technology stack, such as Quantum Processing Units (QPUs), control systems, and Quantum Computing-as-a-Service (QCaaS) offerings.

Frequency: Updated annually

Regulatory Analysis Report

Detailed qualitative analysis of how governments are engaging with the quantum computing industry globally. Includes assessments of national technology development programs, ecosystem development efforts, and important regulatory initiatives.

Frequency: Updated annually

Market Landscape Report

Detailed qualitative analysis of all facets of the quantum computing market, including market structure and key trends. Accompanies and supports the Market Forecast database.

Frequency: Updated annually

Analyst Opinion and News Analysis Reports

Short-form qualitative analysis of key events occurring in the industry.

Frequency: On-going publication

Quantum Computing: Research Themes for 2022

Journey to quantum advantage

The industry is marching steadily towards fully fault-tolerant quantum computers that demonstrate a robust advantage over classical computers. This journey is neither simple nor easy (nor even assured of eventual success), but billions of dollars are being spent to try different approaches to reaching this goal. Our research will identify and assess these approaches and their implications for the market.

Experimenting in the NISQ era

Forward-thinking companies are experimenting with current so-called “NISQ” (Noisy, Intermediate-Scale Quantum) era computers to understand how best to compete when (and if) quantum advantage is finally achieved broadly in the industry. Our research will survey leading adopters to understand how engagement with quantum computing is happening today and what companies should do to position themselves optimally.

Democratizing access to quantum computing

Quantum computing is a notoriously challenging discipline with a very limited number of technically proficient practitioners. Various efforts are underway to simplify access to, and use of, current quantum computing resources to broaden the global user base and enable faster adoption. Our research will examine these trends and their implications for the market.

Geo-political imperatives

The governments of many developed (and near-developed) nations have identified quantum computing (and quantum technology more broadly) as a key “deep tech” with national security ramifications. These governments are investing from millions to billions of dollars to ensure that their countries have strong domestic capabilities in the use of quantum technology. Their actions range from establishing research programs to develop “national quantum computers” to encouraging vibrant quantum computing ecosystems in their territory, to enacting export controls to limit rival governments’ access to foundational technologies. Our research will analyze these trends and their implication for the market.

Quantum Computing Coverage at Omdia

Complementary research programs: Quantum computing research content resides in two complementary Omdia research programs

Quantum Computing Intelligence Service

Focus: How is the quantum computing industry developing from a technology and market perspective?

Deep-dive coverage of the commercialization of quantum computing technology. Covers emerging technology and market trends influencing the commercialization opportunity for quantum computing hardware, software, and services. Key areas of focus include the quantum computing technology stack, vendor ecosystem, and adopter, investment, and regulatory environments.

Advanced Computing Intelligence Service

Focus: How does quantum computing fit with other cutting-edge advanced computing technologies?

Broad-based coverage of emerging developments in all aspects of advanced computing technology. Covers emerging technology and hardware trends surrounding the next generation of computing performance and capabilities. Key areas of focus include AI-optimized compute, networking and storage hardware, high performance computing, quantum computing, next generation microprocessor architectures, and emerging software and systems paradigms.

Our “Ask an Analyst” Service Provides Best in Class Customer Support

Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

Draw on our expertise

- Make the right decisions
- Sanity-check your own findings
- Get the most out of your subscription
- Understand more about our methodologies

Our Ask an Analyst service gives you direct contact via telephone, email or face-to-face session with our expert analyst team:



Tom Coate
Customer Success
Manager



Kâren Dyer
Customer Success
Manager



Thank you

CONNECT WITH US

 @OmdiaHQ | [ondia.com](https://www.ondia.com)

Customer Success

E: customersuccess@ondia.com

SALES

US: +1 (212) 652 5335

APAC: +61 (0)396 016 700

EMEA: +44 (0)7771 980 316

ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.