



Pasqal Launches an AI-Assisted Workflow to Accelerate Cloud QPU Experiments

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By lowering the engineering effort between an idea and the hardware, the new feature enables faster experimentation while keeping scientists in control

PARIS, Oct. 08, 2026 (GLOBE NEWSWIRE) -- Pasqal (Nasdaq: PSQL), a global leader in neutral-atom quantum computing, today announced the availability of an AI-assisted workflow on Pasqal Cloud. Available as a plugin for leading agentic coding environments, the new feature can take a well-defined scientific idea to a running experiment on a quantum processing unit (QPU), significantly reducing the engineering effort that has long stood between an idea for a quantum use case and its execution on hardware.

As quantum computers become easier to access through the cloud, the challenge is shifting from hardware availability to how researchers design, run and interpret quantum experiments. Translating a protocol into a hardware-ready job still requires specialized engineering expertise and significant time. As a result, many promising ideas go untested, even when suitable hardware exists.

The AI-assisted workflow orchestrates the full pipeline. Starting from an experiment described in a paper or conceived as an original idea, it extracts or formalizes the protocol, translates it into a hardware-ready quantum job, validates it in emulation, submits it through the cloud and processes the results into scientific observables.

"The bottleneck in quantum computing is shifting," said Wasiq Bokhari, CEO of Pasqal. "The engineering work that once demanded a researcher's attention can increasingly be automated, allowing researchers to focus more fully on the science. Our QPUs are deployed and accessible in the cloud today. With this AI-assisted workflow lowering the barrier to using them, we are making quantum computing power available to a much broader community."

Rather than replacing scientists, the workflow is designed to keep scientific judgment at the center. It coordinates the engineering and removes friction, while ideation, validation and decisions about what to measure and whether a result genuinely supports a physical claim, remain with the users.

The AI-assisted workflow can be installed as a plugin in leading agentic coding environments, including Claude Code, Cursor, Codex and others. Experiments can then be run on three Pasqal Cloud QPUs available to external users: Ruby, operated by GENCI at CEA, located in France, FC1, located in Sherbrooke (Québec, Canada) and SA1, located in the Kingdom of Saudi Arabia.

To learn more about the AI-assisted workflow, read our blog post, "[Turning Ideas into QPU Experiments: How Agentic Workflows Make Quantum Computing More Accessible](#)," for a full technical deep dive, or visit the [documentation](#).

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About Pasqal

Pasqal (Nasdaq: PSQL) helps organizations tackle problems that are difficult or impossible to solve with conventional computing methods alone. Founded in 2019 on Nobel Prize-winning research, Pasqal builds and operates neutral-atom quantum computers, delivered with a full software stack, for industry, science, and governments. Pasqal's production-ready systems are available both on-premises and through the cloud, enabling organizations to harness quantum computing without requiring in-house quantum expertise. A single hardware platform supports analog workloads today and is designed to evolve toward fault-tolerant quantum computing in the future.

Headquartered in France with operations globally, Pasqal's quantum computing systems are used by customers across energy, financial services and advanced materials to address complex challenges. Pasqal's customers include Saudi Aramco, Crédit Agricole CIB, LG Electronics and supported by partnerships with NVIDIA and IBM (Pasqal is part of the IBM Quantum Network).

Forward-Looking Statements

Certain statements herein may be considered “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements generally are accompanied by words such as “believe,” “may,” “might,” “will,” “estimate,” “continue,” “anticipate,” “intend,” “expect,” “should,” “would,” “could,” “plan,” “predict,” “project,” “forecast,” “potential,” “seem,” “seek,” “target,” “possible,” “future,” “outlook” or similar terminology or expressions that predict or indicate future events or trends. These forward-looking statements include, but are not limited to, statements regarding future events, including Pasqal’s ability to accelerate global deployment of its quantum computing platform.

These statements are based on current expectations and are not predictions of actual performance. They are provided for illustrative purposes only and must not be relied on as a guarantee, prediction or definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and are beyond the control of Pasqal. These statements are subject to known and unknown risks and uncertainties and assumptions regarding Pasqal’s business, and actual results may differ materially. These risks and uncertainties include, but are not limited to: general economic, political, social and business conditions; uncertainty or changes with respect to laws and regulations; risks related to Pasqal’s indebtedness; the risk from Pasqal pursuing an emerging technology, facing significant technical challenges and the potential that it may not achieve commercialization or market acceptance; Pasqal’s reliance on strategic partners and other third parties; Pasqal’s ability to maintain, protect and defend its intellectual property rights; and other risks that will be detailed from time to time in filings with the U.S. Securities and Exchange Commission (the “SEC”). The foregoing list of risk factors is not exhaustive. There may be additional risks that Pasqal does not know or currently believes are immaterial that could also cause actual results to differ from those contained in forward-looking statements. In addition, forward-looking statements provide Pasqal’s expectations, plans and forecasts of future events and views as of the date of this communication. While Pasqal may elect to update these forward-looking statements in the future, Pasqal specifically disclaims any obligation to do so.