TQ42

Born from science.
Refined for business.

Terra Quantum

OUR PLATFORM

TQ42 is a software as a service (SaaS) platform where you can build, tune, and run optimization, machine learning, and simulation solutions for your toughest business problems.

TQ42 is built on a modern, scalable tech stack that meets essential security requirements for access, data encryption, secure data transfer, and ownership of data.

TQ42 is accessible as a web interface and Python SDK with CLI tools, complete with professional developer documentation, tutorials, and guides.

WHY CHOOSE US?

We're making hybrid quantum solutions accessible to all levels of expertise. Find fast, performant solutions for your toughest problems and **unlock business value today.** Plus, stay tuned for a suite of quantum security products in TQ42 – coming soon.

One platform.
Infinite potential.

OUR STORY

When our team of world-class quantum scientists paired with a team of world-class industry leaders, we had one goal in mind: empower our customers to tackle the classically intractable, solve the unsolvable, and invent approaches to power the industrial applications of tomorrow, today.
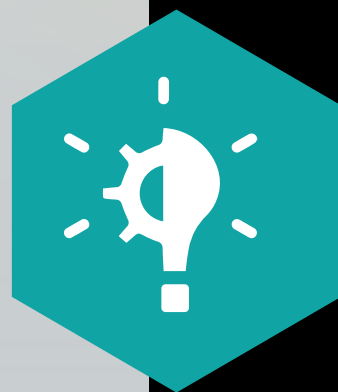
OUR VISION

Our vision is to become your trusted source for deep tech solutions. We are building TQ42 to empower you — the business expert, the technical guru, and the quantum-curious minds — to make the complex simple, collaborate with your teams, and create world-changing results.

OUR MISSION

Our mission is to make it easy for you to achieve real results in production. Move beyond POCs. With TQ42, you can model, simulate, optimize, and solve your most complex problems in an interface that suits you: web, Python, or CLI.

Unlock your competitive advantage.
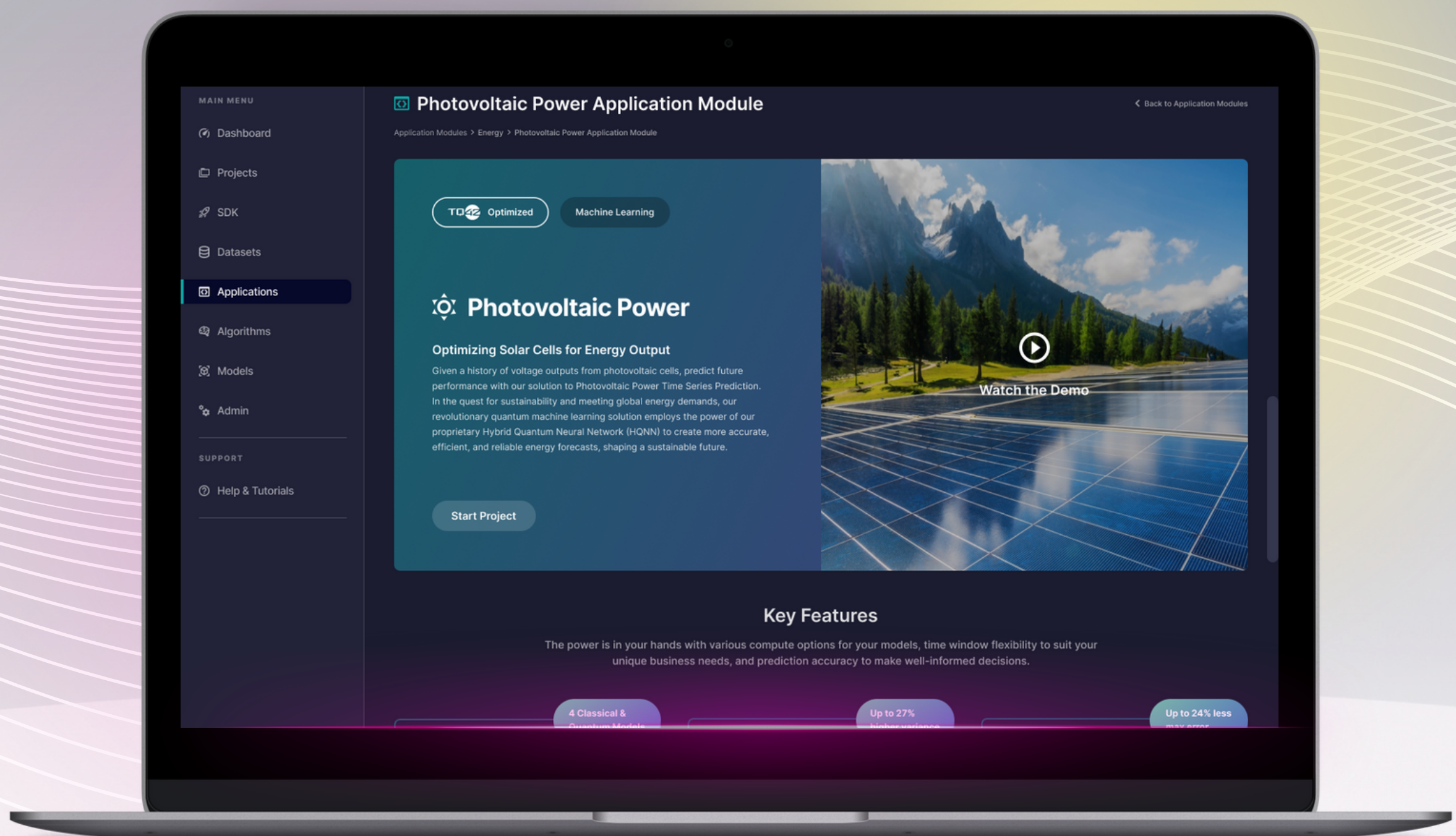
www.tq42.com

WORLD-CLASS ALGORITHMS

APPLICATION MODULES

MODEL TRAINING & APPLICATION

CHARTING SUCCESS TOGETHER

About TQ42

With its proprietary hybrid approach, Terra Quantum merges the best of classical high-performance computing with quantum technologies, providing a unique commercial advantage. Our SaaS platform, TQ42, now puts the control in your hands. Tap into breakthrough algorithms and take the leap towards your next level of performance.

Technical Overview

TQ42 is a high-availability, standards-compliant platform that provides the bespoke compute capabilities required for a wide variety of use cases. It offers flexibility and extensibility, with the option to connect existing cloud services platforms like Azure, AWS, and more to keep your data and intellectual property secure while delivering reliable results.

Industries We Serve

- ✔ Finance
- ✔ Automotive
- ✔ Manufacturing
- ✔ Aerospace
- ✔ Life Sciences
- ✔ Logistics & more...

Hybrid quantum algorithms
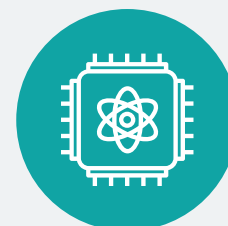Access a powerful set of hybrid quantum algorithms

Industry applications
Implement pre-tuned, optimized solutions for industry use cases

Team collaboration
Build, tune and run projects and experiments within your org

Experiments to production
Achieve real results on classical and quantum compute resources

Data security
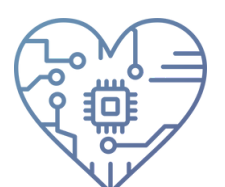Connect your existing cloud services platforms and maintain ownership
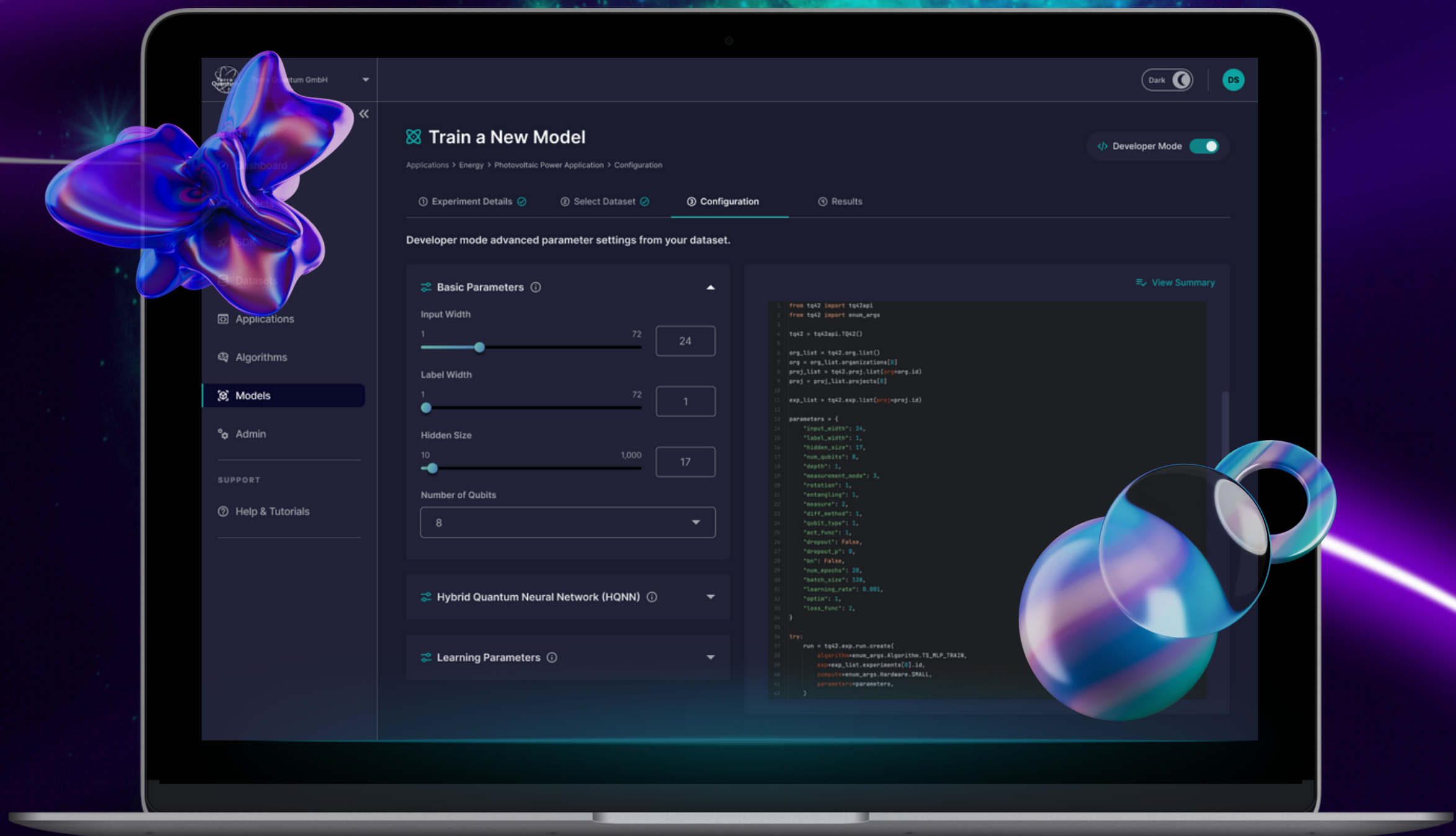
Customized controls
Set relationship-based access controls to customize team access

Professional Services Available
Contact us for bespoke implementations, fine-tuning a solution, or general assistance

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ONE PLATFORM.
INFINITE POTENTIAL.

ACCELERATE. INNOVATE.
INTEGRATE. SECURE.

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