



## **The Peace Innovation Initiative and QGEMS Announce a Strategic Partnership to Level the Playing Field For Renewable Energy Technologies and Greatly Accelerate the Global Transition**

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As our world faces pressing climate change and environmental sustainability challenges, the need for an innovative energy ecosystem and global framework has never been greater. Today, the Peace Innovation Initiative (PII) announces a groundbreaking partnership with QGEMS, an innovative global energy management company revolutionizing the sustainable energy market. This partnership brings together the expertise of both organizations to accelerate the delivery, implementation, and growth of sustainable energy solutions and advances. PII and QGEMS are committed to driving positive change by accelerating the transition to sustainable energy practices and technologies worldwide.

UN Secretary-General António Guterres outlines five critical actions the world needs to prioritize now to transform our energy systems and speed up the shift to renewable energy - "because without renewables, there can be no future." Those five critical actions are:

- Make renewable energy technology a global public good
- Improve global access to components and raw materials
- Triple investments in renewables
- Level the playing field for renewable energy technologies
- Shift energy subsidies from fossil fuels to renewable energy

"The good news is that the lifeline is right in front of us," says the UN Secretary-General, stressing that renewable energy technologies like wind and solar already exist today, and in most cases, are cheaper than coal and other fossil fuels. We now need to put them to work, urgently, at scale and speed.

As a 501c3 peace accelerator, PII works diligently to advance all 17 United Nations Sustainable Development Goals (SDGs), while focusing on four primary goals: health and wellbeing (SDG 3), education (SDG 4), climate and energy (SDG 7), and data infrastructure and innovation (SDG 9). These four building blocks directly support the construction of the DNA of Peace and form the foundation of our programs and events, including the focus areas for the flagship DNA of Peace Fellowship Program.

Barbara Winston, President and Founder of PII, speaks to the intersection of clean energy and peace: "The earth is our shared home. Peace is inextricably connected with climate and energy. By working with global thinkers and employing innovative technologies, we can operate in harmony with nature while addressing pressing global challenges."

In 2023, PII's first Health and Peace Fellows cohort was launched at the University for Peace Global Center of Peace Innovation, with an initial investment to support students with the technology, education, and network to launch pioneering innovations. With the support of QGEMS and other partners, PII is expanding its Fellowship to include Clean Energy and Data Infrastructure cohorts. Fellows will focus on developing innovative solutions to transform the energy sector and global information environment, laying the groundwork for peace and sustainability initiatives worldwide.

The QGEMS 'Internet of Energy' delivers massively improved, AI-driven, granular design, planning, visibility, deep analytics, and hyper scalability, and is the only way to meet the doubling and trebling of energy needs globally through an integrated, aggregated, and orchestrated solution.

Intrinsic to QGEMS culture and business operations are UN SDG Goals 7 through 13. Their focus is on eliminating energy poverty by accelerating and shepherding the intelligent growth of microgrids and sustainable energy sources and solutions in conjunction with existing energy grids. For underdeveloped areas, the QGEMS sustainable energy ecosystem will enable off-grid optimized deployments. This ensures that the highest possible amount of energy will reach all people and utilize the lowest possible amount of capital and ongoing maintenance.

"We're excited to join forces with PII to drive imperative change in the energy sector," says Gordon Winston, QGEMS CEO and PII Co-Founder. "Together, we will empower innovators to develop cutting-edge technologies that shape the future of clean energy and data infrastructure, creating a more sustainable and peaceful world for generations to come."

The future of energy worldwide is shaped by several significant concerns:

1. Energy Security: The stability of energy supplies is a major concern, especially with geopolitical tensions and conflicts, such as the Russia-Ukraine war, which have disrupted global energy markets.
2. Transition to Clean Energy: While there is a strong push towards renewable energy sources, the transition is complex and requires substantial investment and policy support. The pace of this transition is crucial to meet climate goals.
3. Energy Access: The global electricity access rate increased from 87% in 2015 to 91% in 2021, but 675 million people still lacked access. However, 1.18 billion people can't use electricity, even if they have access, drastically affecting their quality of life and economic opportunities.
4. Energy Price Volatility: Fluctuations in energy prices can have broad economic impacts, affecting everything from household budgets to industrial production costs.
5. Decarbonization Costs: Reducing carbon emissions involves significant costs, and there is a need for efficient and affordable technologies to achieve this.
6. Infrastructure and Investment: Upgrading and expanding energy infrastructure to support new technologies and increased demand is a major challenge.
7. Policy and Regulation: Effective policy making is essential in guiding the energy transition, but it can be difficult to balance economic, environmental, and social goals.

The QGEMS Internet of Energy has been designed from inception to be hardware and platform agnostic, enabling true universal energy accessibility with dramatically reduced infrastructure and energy costs, carbon emissions, and greatly accelerated deployment timelines. More importantly, the QGEMS energy accounting system streamlines and enables highly attractive ROI for renewable energy investors around the world thereby justifying and accelerating market uptake while inducing changes to policy and regulation.

Gordon Winston, CEO of QGEMS states, "Energy AI is the only method to drive enormous increases in energy, efficiency, widespread deployment, and universal accessibility. However, it will only succeed with QGEM's intelligent high-speed automation and extreme value optimization at every level throughout the entirety of the energy sector delivered at industrial scale with lightning speed."

As PII embarks on this new chapter of collaboration with QGEMS, it is actively collaborating and pursuing sponsorship partnerships from family offices, governments, and corporate leaders to support the expansion of Fellowship programs and events. For inquiries regarding partnership opportunities, or to learn more about the DNA of Peace Fellowship Program, please contact PII Director of Programs and Research, Emily Evans, at [emily@peaceinnovationinitiative.org](mailto:emily@peaceinnovationinitiative.org).

### **About The Peace Innovation Initiative**

The Peace Innovation Initiative is the new accelerator for active peace and impact: a community of visionaries leading a global movement to accelerate positive disruption and establish active peace as a pillar of innovation worldwide. Devoted to the mission of creating and enabling a global practice of peace, PII collectively amplifies those at the intersection of innovation, technology, and sustainability to build a world where our global industries and investments are constructed upon a framework of sustainable peacebuilding, measurable outcomes, ROI and impact. For more information, visit [www.peaceinnovationinitiative.org](http://www.peaceinnovationinitiative.org)

### **About QGEMS**

QGEMS is an Energy Management Orchestration System (EMOS) designed to create a modern energy 'hypergrid.' This innovative command and control system combines the current energy grid with rapidly expanding distributed energy resources and microgrid deployments. QGEMS manages the integration, aggregation, and orchestration of assets and energy throughout all levels of the grid including consumers, suppliers, and the entire supply chain. The QGEMS solution is hardware and software-agnostic and is therefore inherently futureproof. The transition and rebalancing of energy assets and systems will occur regardless of political outcomes, as the supply of clean energy investment and transition to alternative carbon-based sources are well underway. It's crucial to have a centralized command and control system to orchestrate and fully manage this transition, at home in commercial and utility settings. For more information, visit [qgems.energy](http://qgems.energy)

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