

2025 Sci-Tech Innovation Challenge



Raphael Senyo, Dominion Tsalack, Teye Dano, Prof. Elsie Efa Kaufman, Richmond Amoah, Priscilla Gyamfi, Mary Tunnaa, Theophilus Kyekura and Lawson Anthony Jnr.

Obuasi SHTS has once again risen to the top, emerging as the **winners of the 2025 Sci-Tech Innovation Challenge** and securing their **fourth consecutive victory** in this prestigious nationwide STEM competition. The team scored an outstanding **448.5 points**, reinforcing the school's dominance in science and technology innovation.

About the Sci-Tech Innovation Challenge

The Sci-Tech Challenge is a flagship event under the **STEM Festival**, organized by **Primetime Limited**. It brings together senior high school innovators from across Ghana to present creative, practical, and impactful STEM projects. The competition focuses on solutions that address **social, environmental, and technological challenges**, encouraging students to use science and innovation to transform their communities.

Winning Project:

From Micro Energy to Mega Application: A Hybrid Renewable Energy Approach for Clean Water and Sustainable Agriculture. Their ground-breaking innovation combines **microbial fuel cells** and **hydro micro-turbines** in a hybrid renewable energy system capable of supporting **clean water purification** and **sustainable agricultural practices**. The project integrates both **manual** and **voice-command control**, showcasing versatility, modern engineering, and real-world application for community development across Ghana.

Obuasi SHTS' Four-Time Victory

Winning the Sci-Tech Innovation Challenge **four consecutive times** is more than a victory it is a testament to **resilience, brilliance, and an unbroken spirit of innovation**. Year after year, Obuasi SHTS proves that excellence is not an event but a **culture**.

To win once is inspiring.

To win twice is commendable.

To win three times is historic.

But to win **four times in a row** is a demonstration of **consistent mastery, discipline, and unmatched dedication**.

The feeling is overwhelming, a mix of pride, gratitude, joy, and purpose. For the students, it feels like standing on a mountain built through hard work and sleepless nights. For the school, it validates every experiment, failure, breakthrough, and sacrifice along the journey. For Ghana, it signals a bright and promising future of innovation.

Obuasi SHTS has not just won a competition.

They have **set a standard**.

They have **built a legacy**.

And they continue to inspire the next generation of innovators across the nation.