Dear tshingombe,
Here is the copy of the Project Pitch with reference number : **00100839** submitted to the **Energy Technologies (EN)** on **4/10/2025**.

1. Submitter Email

   `tshingombefiston@gmail.com`

2. Submitter First Name

   `tshingombe`

3. Submitter Last Name

   `tshitadi`

4. Submitter Phone Number

   `0725298946`

5. Company Name

   `engineering`

6. Company Zip Code

   `10300`

7. Company State

   AK

8. Company Website

   `htpps//:www.tshingombe.com`

9. SBIR/STTR topic that best fits your projects technology area

   `Energy Technologies (EN)`

Are you eligible and interested in being considered for the NSF Fast-Track program?

   `No`

10. Is this Project Pitch for a technology or project concept that was previously submitted as a full proposal by your company to the NSF SBIR/STTR Phase I Program – and was not awarded ?

    `No`

11. Has your company received a prior NSF SBIR or STTR award?

    `No`

12. Does your company currently have a full Phase I SBIR or STTR proposal under review at NSF?

    `No`

13. Briefly Describe the Technology Innovation?

Prospect Student Alu Research 2 Assessement Thesisi Experimental , project carrer final,

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2025-04-05

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Reviews

14. Briefly Describe the Technical Objectives and Challenges?

Curriculum assessment assessment
Name   : tshingombe tshitadi fiston

 Content:
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Curriculum assessment assessment
Name   : tshingombe tshitadi fiston
1.1
Thesis. Degree honor, council quality rules low become justice development court and labor relations conciliation mediation, Engineering electrical trade research policy skill ,safety security order develop ,defense order
2.1 Thesis. Degree honor, council quality rules low become justice development court and labour relations conciliation mediation, Engineering electrical trade research policy skill ,safety security order develop ,defense order
Thesis. Degree honour, council quality rules low become justice development court and labour relations counciliation mediation, Engineering electrical trade research policy skill ,safety security order developm ,defense order
5.1 Examination project
Master's in Artificial General Intelligence and Social Sciences
Introduction to Artificial General Intelligence
AGI and Human Cognition
Ethical Considerations of AGI
AGI and Economic Implications
AGI in Public Policy and Governance
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tshingombe tshitadi
Masters /engineering
About Me
Name
Follow Me On
My Education
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My Interests & Hobbies
Engineering electrical assessment career but sustainability
Some of my work & Certifications
Some Works
Thesis & Publications
AGI in Human-Machine Collaboration
Future Scenarios of AGI Development
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Introduction to E-commerce in the Renewable Energy Sector

Understanding the Renewable Energy Market
E-commerce Strategies for Renewable Energy Products
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Principles of Traceability
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Supply Chain Digitalization
Data Management in Supply Chains
Blockchain for Supply Chain Traceability
IoT and Smart Supply Chains
Security and Privacy in Supply Chain Software
Case Studies and Real-world Applications
Social Media Marketing for Real Estate, Rental, and Leasing
Introduction to Social Media Marketing
Target Audience Analysis
Content Creation for Real Estate
Platform-Specific Strategies

15. Briefly Describe the Market Opportunity?

Cducation
Virtual Labs and Simulations
Assessing Learner Outcomes in Technology-Driven Curriculum
Case Studies in Renewable Energy Education
Challenges in Integrating Technology and Renewable Energy Education
Wholesale Trade Management in Industrial Engineering
Introduction to Wholesale Trade
Supply Chain Dynamics
Inventory Control Methods
Logistics and Distribution
Procurement Strategi

16. Briefly Describe the Company and Team?

Hardware Configuration
4. Optimization of IoT-Enabled Electrical Systems
o Experiment: Configure Cisco IoT hardware for industrial automation and monitor its impact on electrical system efficiency.
o Focus: Compare outcomes with traditional non-IoT systems.
5. Network Traffic Impact on Energy Consumption
o Experiment: Measure the correlation between network traffic and power usage in Cisco networking hardware.
o Focus: Simulate high and low traffic conditions to evaluate energy-saving features.
6. Compatibility of Cisco Devices with Electrical Standards
o Experiment: Test Cisco hardware configurations against national and international electrical engineering standards.
o Focus: Ensure compliance and reliability under diverse conditions.
Electrical System Integration
7. Smart Grid Performance with Cisco Hardware
o Experiment: Investigate the role of Cisco networking devices in optimizing energy distribution within smart grids.
o Focus: Study how configurations improve fault detection and load management.
8. Renewable Energy Integration
o Experiment: Configure Cisco hardware to monitor and control systems with renewable energy sources like solar panels.
o Focus: Analyze the efficiency of hardware configurations in hybrid energy setups.
o

17. How did you first hear about our program?

NSF email, webinar, or event

NSF SBIR/STTR Phase I Eligibility Information:

In addition to receiving an invitation to submit a full proposal from the NSF SBIR/STTR Phase I Program based upon the review of their submitted Project Pitch,potential proposers to the program must also qualify as a small business concern to participate in the program (see SBIR/STTR Eligibility Guidefor more information).

The firm must be in compliance with the SBIR/STTR Policy Directive(s) and the Code of Federal Regulations (13 CFR 121).

- Your company must be a small business (fewer than 500 employees) located in the United States. Please note that the size limit of 500 employees includes affiliates.
- At least 50% of your company’s equity must be owned by U.S. citizens or permanent residents, and all funded work needs to take place in the United States (including work done by consultants and contractors).
- Primary employment is defined as at least 51 percent employed by the small business. NSF normally considers a full-time work week to be 40 hours and considers employment elsewhere

of greater than 19.6 hours per week to be in conflict with this requirement.

- The Principal Investigator needs to commit to at least one month (173 hours) of effort to the funded project, per six months of project duration.

For more detailed information, please refer to the SBIR/STTR Eligibility Guide by using https://www.sbir.gov/sites/default/files/elig_size_compliance_guide.pdf. Please note that these requirements need to be satisfied at the time an SBIR/STTR award is made, and not necessarily when the proposal is submitted.