

Regional Transport Research and Education Centre Kumasi (TRECK), KNUST, Ghana

Partnering with Japan for Sustainable Transport in Africa



KNUST
KWAME NKRUMAH UNIVERSITY
OF SCIENCE AND TECHNOLOGY



WORLD BANK GROUP

Kwame Nkrumah University of Science & Technology (KNUST), Kumasi



- Ghana's premier science & technology university
- Ranked among Africa's top technical universities.
- Strong expertise in engineering, planning, geospatial science, and innovation ecosystems.
- Extensive international partnerships across Europe, USA and with Development partners (World Bank, GIZ, JICA, EU, IDRC, etc.).

TRECK – Vision and Mission

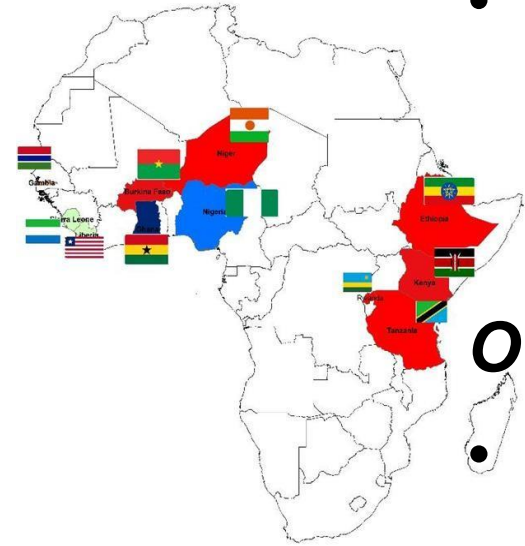
- TRECK is a Government of Ghana and World Bank funded Africa Centre of Excellence in Transport and Integrated Logistics

Our Vision

- To be the leading hub for advancing applied research knowledge, developing and adapting innovative technologies, providing high quality training, leadership, and technology transfer in transport, mobility and integrated logistics.

Our Mission

- To provide the environment for the training of high calibre transport professionals and mentoring academics with world class expertise
- Conduct inter-disciplinary research with academic and relevant national and regional industries to support strategic directions and development





Interdisciplinary Research Themes

- Intelligent Traffic Management Systems in Smart Cities
- Resilient, Inclusive and Sustainable Transport Infrastructure
- Sustainable Urban Public Transport Systems, Gender, and Governance
- Resilient and Integrated Sustainable Logistics

Potential Research Areas

- **Transport & Health**
- **Urbanization & Congestion:**
Active Transport Integration with BRT, and Paratransit.
- **Regional Transportation:** AfCFTA creates push for digitalised, intermodal freight corridors.
- **Climate & Transport Resilience:**
Need for green construction materials, e-mobility, resilient design.
- **Digitization and Smart Mobility**
- **Environmental and Social Risk Management**

Opportunities Africa Offers

- 🌐 Rapid Urbanization: demand for mass transit, traffic management, and affordable e-mobility
- 🚚 African Continental Free Trade Area (AfCFTA): expansion of freight and logistics and a need for efficient, intermodal solutions
- ⚡ Green Transport Momentum EV: an untapped market created for Japanese automotive leaders
- 🎓 Human Capacity & Talent
- 🤝 UN Decade of sustainable transport SDGs, AU Agenda 63.

Why This Matters for Japan

- Africa - fastest growing transport market.
- Aligned with Japan's global agenda:
 - Quality infrastructure
 - Global leader in mobility
 - Smart Technologies
- Shared frameworks

Partner Us

- Joint research and grantsmanship
- Student and Faculty Exchange
- Mentorship
- Entrepreneurship and Innovation
- Advocacy

Thank You!

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