Project Summary

Highlights

Key impact

- 50% reduction in transportation fares
- 90% reduction in road repair costs compared to heavy machinery
- 5 jobs created per km of road repaired & maintained

Team

CEO: Kevin Lee
IBM, Morgan Stanley
CTO: Jens Pedersen
CERN, ITU
Data: Gregory Islas
STATS, ESSEC
Project management: Joseph Kigo

Previous projects

Luwero, Uganda, Murang'a Kenya

Awards & Prizes

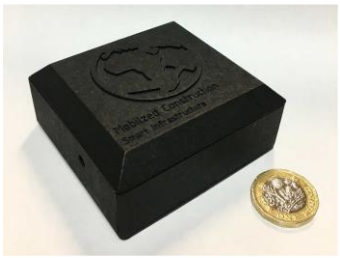
Rotary Club Denmark, Edge of Government UAE, Deutsche Telekom Smart Cities, IoTA Wales, D-Prize, Halcyon Incubator Innovation Fund Denmark, United Nations Innovator

Board & Advisors

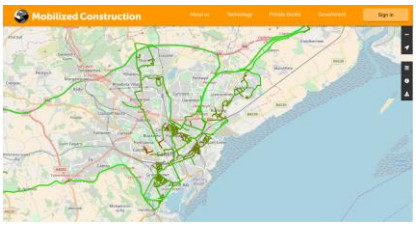
- Johan Juul Jensen, co-founder
- Dick Haiduck, biz development.
- Naresh Nigam, software development

Roads are vital to thriving communities yet crumbling roads in rural communities in East Africa threaten safety, inhibit jobs growth, and prevent children and mothers access to schools and hospitals. Mobilized Construction utilizes software to digitize road repairs to create jobs directly in local communities to manually repair roads and improve accessibility and transportation.

How our software works



Step 1: Data collection using Internet-of-things (IoT) sensors attached onto the dashboard of existing buses and supply trucks to automatically detect poor quality roads



Step 2: Road quality management to visualize highest need/priority road repairs. Locals receive micro-contracts to repair roads via mobile phone.

Step 3: Road repairs using manual labor creates jobs in high unemployment rural areas. Road repair quality is automatically evaluated through data collection.

The Project

The project will take place in Uganda or Kenya pending buy-in from local business, as the core goal is to create local growth by giving business the right conditions. By improving the local road network we have seen drastic improvement in business activity, prices drop on imported goods and people can afford more food and essntials

Co-financing projects together

New projects will be selected based on local impact evaluation and commitment. Local buy-in is required to ensure long-term maintenance and sustainability. We propose projects in Kenya or Uganda to build on our prior works.

(in kr.)	50 km	100 km	250 km	500 km
Road repair wages	80,000	160,000	400,000	800,000
Materials	65,000	107,500	246,250	458,750
Overhead	40,000	40,000	50,000	60,000
Software and technical	20,000	22,000	25,000	30,000
Total Cost	205,000	329,500	721,250	1,348,750
Cost per km	4,100	2,105	1,723	1,603
Fundraising Rotary DK	50,000	75,000	150,000	250,000
Rotary Global Grant	100,000	150,000	300,000	500,000
Local Financing	55,000	104,500	271,250	598,750

"Mobilized Construction software was integral to improving roads that have not been repaired in more than 10 years and engaging the local community in public works." - *Amos Njoroge, Minster of Transportation Murang'a County Kenya*

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