

Power Trike

Motor-Assisted Mobility Aid



MIT IROP

Nairobi, Kenya

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Student Team

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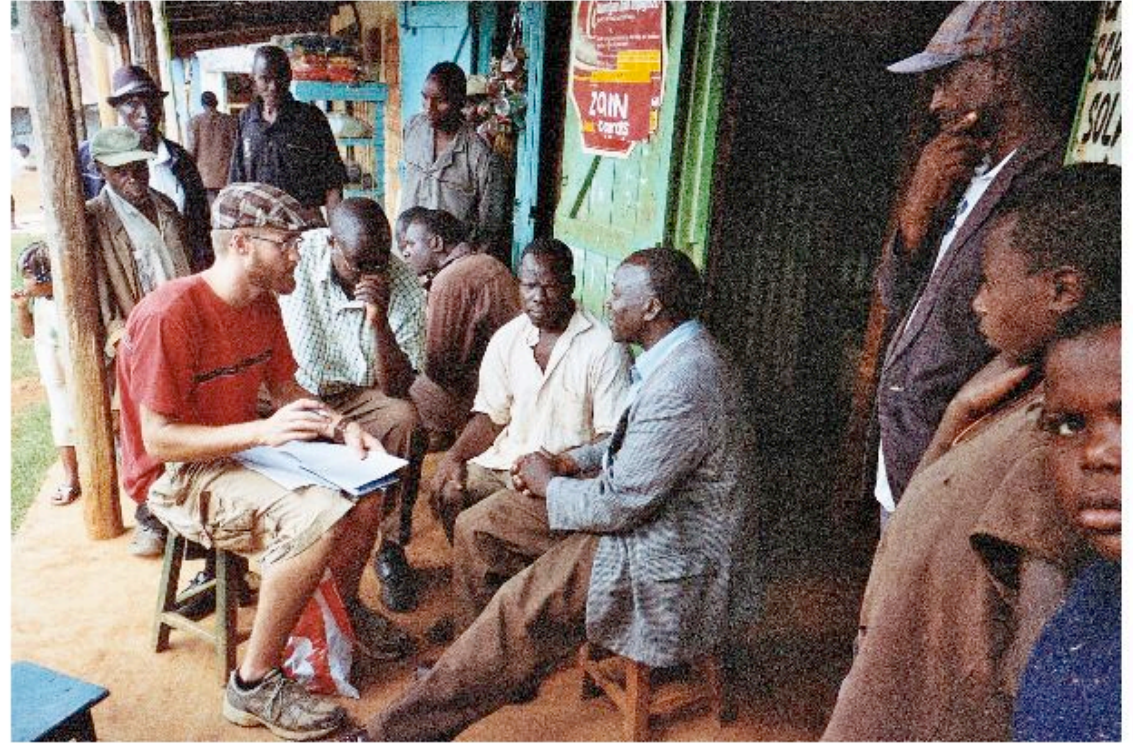
Professor Dan Frey



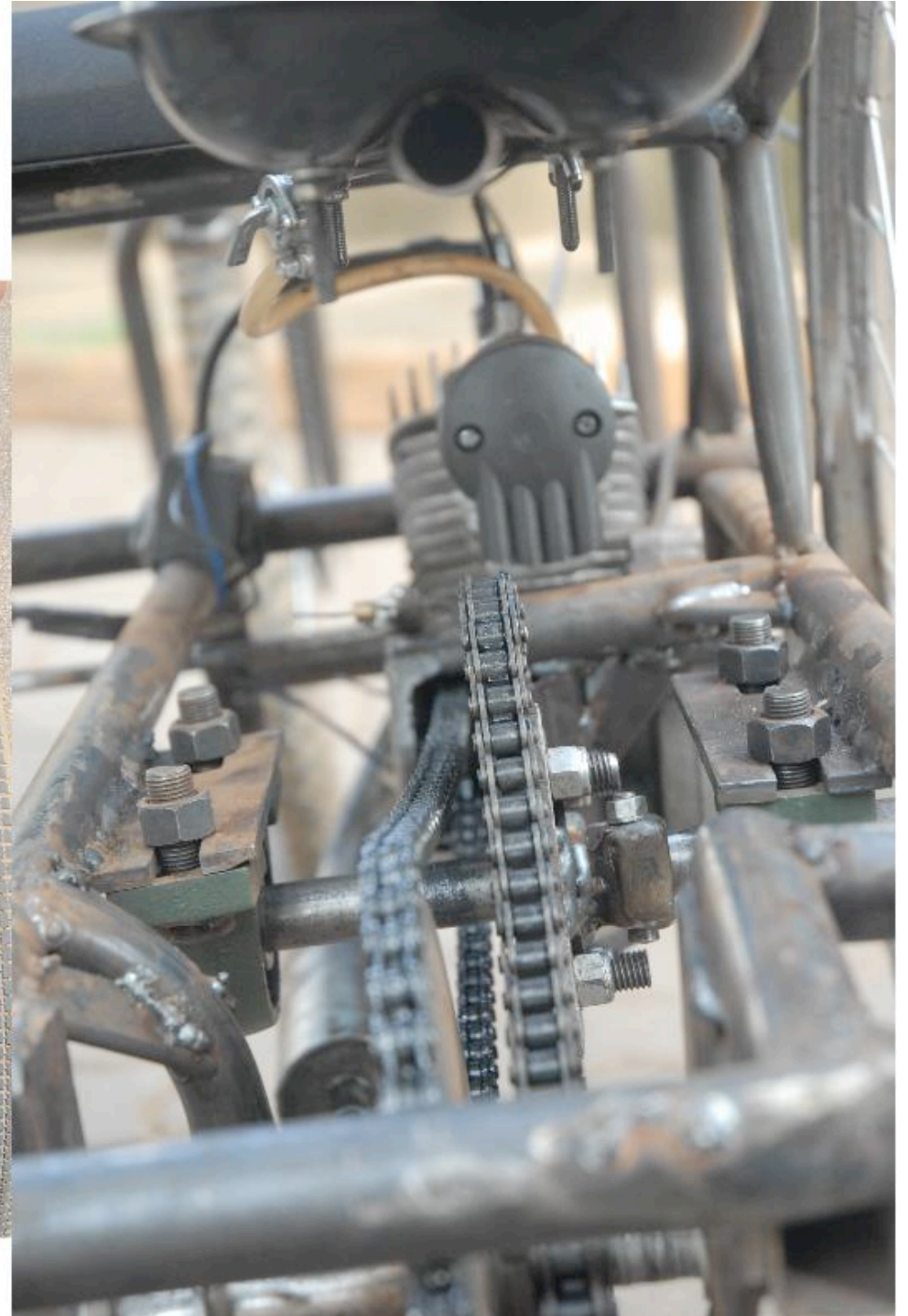
The Association for the Physically Disabled of Kenya (APDK)

Empowering persons with different abilities





Final Prototype





- Grubee 48cc 2 HP 2-stroke
- Roll start, friction clutch
- 2.5 L Petrol tank
- Locally available as moped conversion
- Approx 100 USD

- Single wheel drive
- Custom axle/hub
- Two stage gear reduction
- 1:16 for climbing hills
- Two points of chain tension
- Made of locally available parts



Field Testing



Currently the Power Trike is being kept at the shop in Nairobi for further work and testing...



It is often taken out by the shop technicians after work and driven downtown.



Thanks for listening.
Please feel free to ask us
questions about the project
after the presentations.