



Our short history of pellet manufacturing in Zambia

- Goal: replace charcoal with pellets*
- Manufacture the pellets in Zambia*
- Procure and provide stoves*

12th April 2022



Core idea:

Produce pellets from waste biomass as fuel for cooking stoves and sell it cheaper than charcoal



Zambia 2011

Mattias Ohlson and Per Lofberg with Sonta Kauti and Keddy Mbindo



Glimpse of Charcoal production





Cooking with Charcoal



Unhealthy, dirty, time consuming, expensive



Lots of available biomass – sawdust from sawmills of various sizes



First pellet machine: the Buskirk - 30 kg/hr



First stove – pekoe pe stove,
made in Kitwe



2013: First serious pellet production

Swedish Press 2x 300 kg/hr (most of the time one of the two down)





Sample of issues

Handful of glue in the press



No tools



Wet pellet stock at a resellers



Warn gear

The Philips stove and the SupaMoto institutional stove in action at a restaurant.





Typical marketing: to women's groups and schools.



Disaster - 17th October 2015 – Our Factory burns to the ground with full stock of pellets.

An electric shock somewhere in the Copperbelt Forestry Company that hosted us.





Pellets Post-Fire

2017 – Chinese 300kg/hr + Swedish used from a farmer 400 kg/hr – lots of struggles with both. Hardly ever both working at the same time.

Moved them around.... From a farm, to a factory, to another farm to a pigsty...



Beyond the Grid Fund, 2017: Adding solar to the equation to support the pellet and stove business



Green light Planet, Solar Home energy 3 or 4 light kits



Current Factory



2018 – started renovating place
2020 – 1.2 t/hr Andritz
2021 – 2.5 t/hr Buhler with 3 t/hr
hammer mill





Customer with a well-used Mimimoto stove

Thank you.

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“Change Cooking Fuel - Change your Life”