



Innovation Africa 2022
Africa's Official Ministerial Summit
Lusaka, Zambia



The Youth Innovation Hub

The Network Booster



The Network Booster

Name: *Newsly Manda*

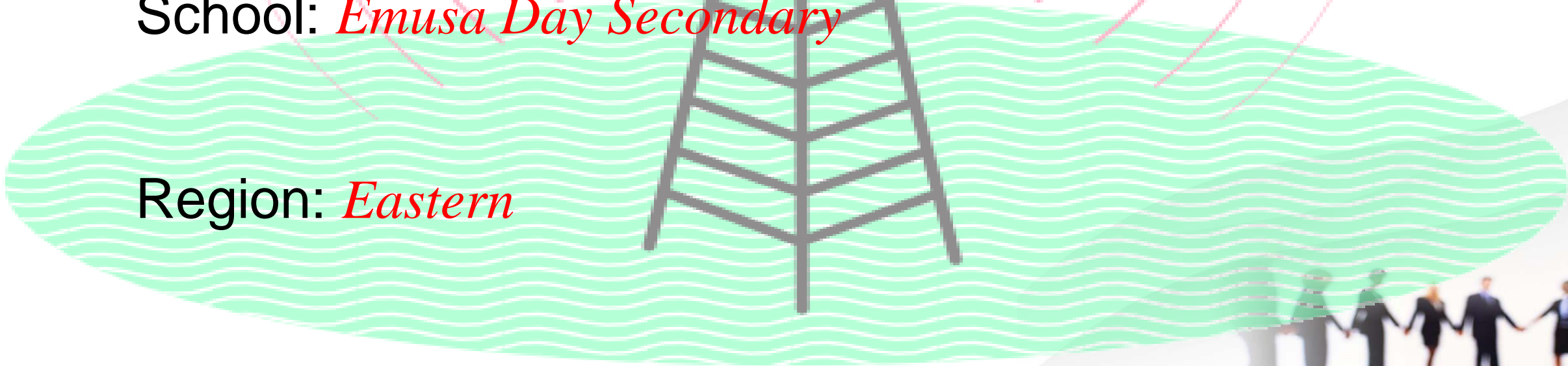
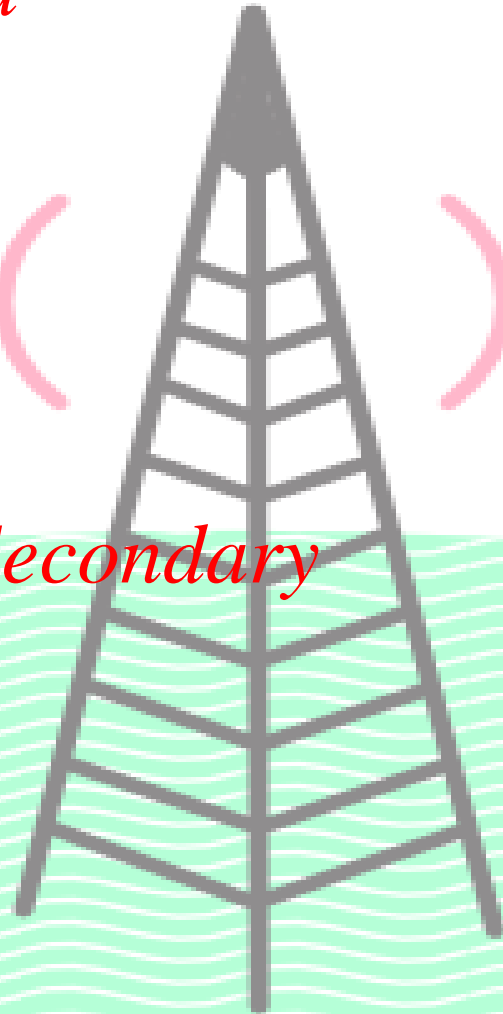
Age: *18 years*

School: *Emusa Day Secondary*

Region: *Eastern*



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The Problem

- Phone network **important in people's lives**
 - used for communication to foster developmental issues (businesses, studies, research and relationships)
- However, poor network **affecting people's lives** and their businesses in Chasefu District
- During pandemic, we often missed out on online lessons **due to poor signal**



The Innovation



- Boosts and stabilises all mobile networks available
- Aimed at addressing the problem of poor network coverage, faced by people in most parts of Zambia, particularly in rural areas
- Uses the principles of radio waves
- Can cover a radius of up to 100 m. covering 10 households



The Justification



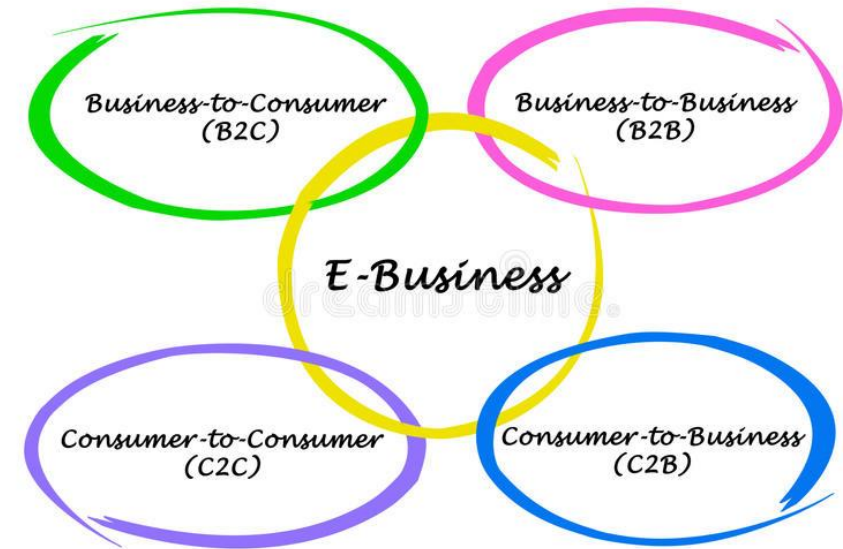
- The innovation is helping people in Emusa in many ways and in different sectors
 - Schools, homes, businesses and in many sectors **through efficient communication and online learning**
 - **Stable network** at the school computer lab
- It can help local areas to also benefit in terms of communication and online business



The Social Impact



- It will enable **swift and efficient communication** in all areas especially local areas
- **Diversified businesses** through stable communication system (E-msika)
- Stable and good platform in education sector created e.g in E-learning



Likelihood of Success

- This project works quite well
- It is scalable
 - can help out a vast area in terms of communication and network stability
 - affordable and mobile because of its low cost materials
- Though it needs a bit of materials and financial assistance



Environmental Sustainability



- It is **environmentally friendly**
- It **enables recycling of materials** like used speakers and capacitors
- It does not emit strong harmful **electromagnetic waves**



The Appeal

- Technical assistance
- Material support (including recycled materials)
- Financial support
- Further research to improve the innovation
 - I want to learn more



Thank you

