

Co-creating Solutions for Connecting the Unconnected

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ABOUT DeFuTech

Our goal is to bridge the digital divide by bringing those without internet connection online and empowering local communities with transferable technical skills.

Our technology and services allows them to access the opportunities of the internet, but we also give them the skills and know-how to maintain their internet connection.



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It's still a challenge



Co-create Solutions



True stories:

- Colombia
- Cape Verde
- Cameroon



Call to Action

Feels like the world is getting
more advanced and connected



Telcos are now classified as critical infrastructure



but

there are still billions of people without this critical
infrastructure for living a sustainable way of life

Why is this,
still, a global
challenge ?

https://www.wiback.org/content/dam/wiback/en/documents/Study_Connect%20the%20Unconnected_2019.pdf

A lot of attention has been dedicated to changing this.



Huge investment is required in deploying internet solutions and networks.



But

Why can't new technologies, more money or grants solve the problem once and for all ?

Silent Killers

- Sustainability of deployed networks.
- Lack of infrastructure (e.g. electricity, roads).
- Political and regulatory challenges.
- Inadequate digital literacy and skills.
- Cultural barriers
- Lack of local relevant content



We realized we had to stop:

PROJECT APPROACH:

Prior approach had been to deploy projects based on project goals and technology.

NEEDS AND CONTEXT:

We acted like we knew local needs and knew the best solution for local end users

LOCAL PARTNERSHIPS:

WE IGNORED THAT Local stakeholders and communities determine and drive the partnerships.

IMPACT ASSESSMENT:

Impact Assessment was not part of the project Scope.

Worldwide Deployments:

<https://defutech.de/deployments/>



Our true stories

Cameroon



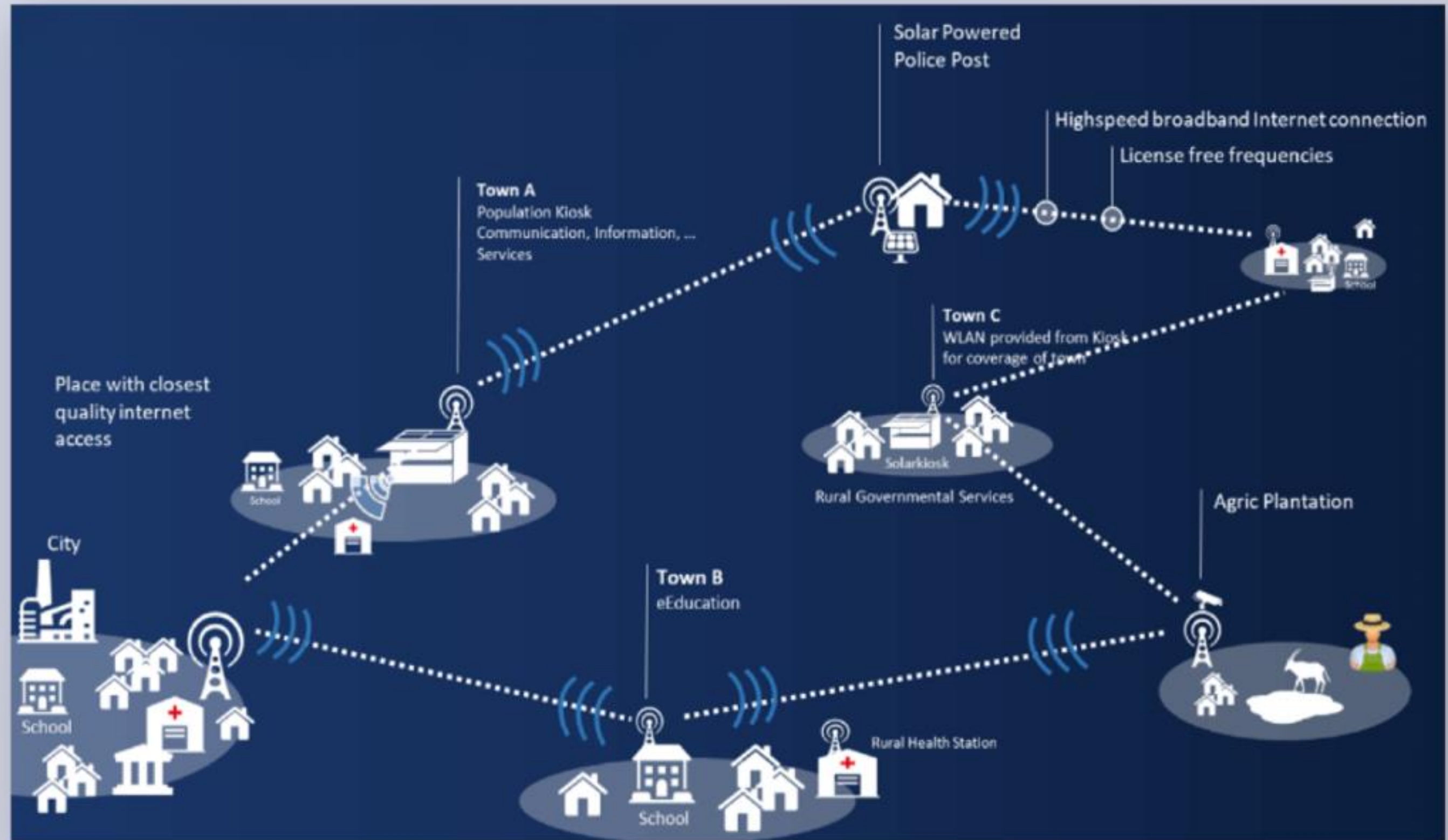
Cape Verde



Colombia



How it works: Plug & Play





University of Yaoundé, Cameroon






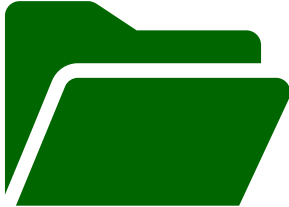
SV4D, Cape Verde



Colombia

e-learning solution platform for pupils and their teachers in Valledupar. Equipped with internet access, computers and BlazingSoft's software Play2Learn, the students are more committed to work and their teachers are more effective.

The WiBACK Offerings

FOR EVERYONE. EVERYWHERE.	COST EFFICIENT	QUALITY	OPEN
<ul style="list-style-type: none"> • Plug & Play System 	<ul style="list-style-type: none"> • Low CAPEX / OPEX 	<ul style="list-style-type: none"> • Proven Concepts 	<ul style="list-style-type: none"> • Open Hardware
			
<ul style="list-style-type: none"> • Auto Configuration / Policies • Non-Expert Setup/Operation • Multi-hop & Long Ranges 	<ul style="list-style-type: none"> • Little Manual Maintenance • Low Power (Solar-ready) • Off-the-shelf Hardware 	<ul style="list-style-type: none"> • Reliability & Quick Recovery • Carrier-Grade QoS, E2E SLAs • VoIP, HD-Video, Data, ... 	<ul style="list-style-type: none"> • Local Assembly • Customized Software Solution • Lower costs

Think, Create and Connect



Solving real problems by creating new solutions, and supporting clients for successful implementation



Research
Applied Research focus on technology testing, integration and field trials.



Connectivity
Providing Affordable Wireless Connectivity Solutions



Consulting
Agile project management from experts with strong local network.

Conclusion

- Connecting the unconnected is a complex challenge that requires innovative and collaborative solutions.
- Our goal is to promote local policies and regional actions on the best technologies that suit the host communities.
- Co-creating solutions with local communities is crucial for ensuring that the solutions are appropriate, sustainable, and have a positive impact on the community.
- Transfer of technology in host communities.

<https://www.wiback.org/en/publications.html>



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