

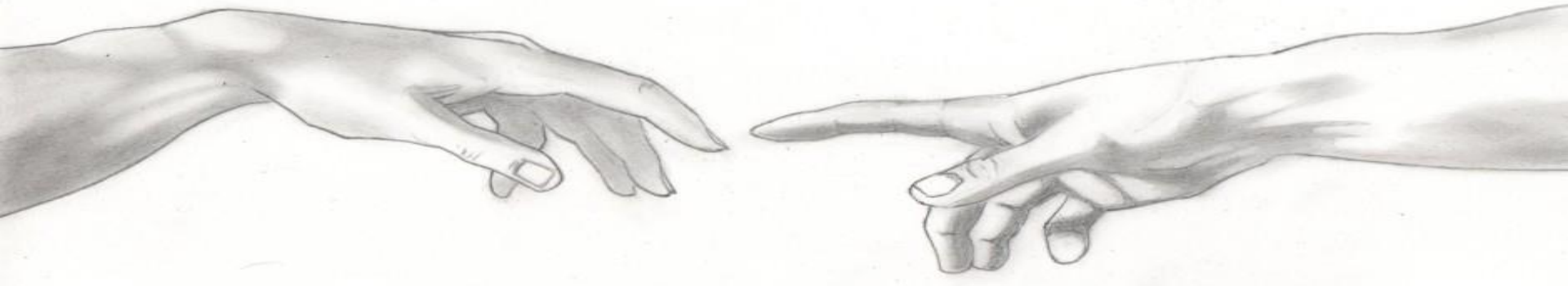


XVIII INFOPOVERTY WORLD CONFERENCE

APRIL 13, 2018

New York, UN Headquarters - Conference Room 12

CLOSING THE DIGITAL DIVIDE “RURAL BROADBAND”



PRESENTED BY: LUIS GALVIS



DTAE DESARROLLO ACADÈMICO EMPRESARIAL



DTAE IS A MEXICAN ORGANIZATION DEDICATED TO INNOVATION IN THE TECHNOLOGY SECTOR, OFFERING OPERATING PROCESSES THAT CREATE ADDED VALUE TO REAL SOLUTIONS, WHETHER FOR COMMERCIAL AND/OR SERVICE SECTOR COMPANIES.

DTAE FACILITIES CONTAIN STATE-OF-THE-ART TECHNOLOGY, ENSURING THAT DTAE CLIENTS SEE AND TRUST THE PRODUCTS OFFERED, HELPING DTAE MAINTAIN THE QUALITY, SAFETY AND ACCEPTANCE EXPECTED.





CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



1. CHALLENGES TO OVERCOME: **HIGH CAPEX**

- HIGH CAPEX = LOW RURAL PENETRATION.
- TERRESTRIAL DEPLOYMENT (LIKE FIBER) VERY CUMBERSOME WITH LONG IMPLEMENTATION TIMES.

2. SOLUTION: THE USE OF A SMART MIX OF LATEST TECHNOLOGIES AVAILABLE AND THE DEVELOPMENT OF PROPRIETARY ALGORITHMS FOR EFFICIENT MULTIMEDIA DELIVERY PLATFORM SYSTEM AND INNOVATION .



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- HIGH CAPEX = LOW RURAL PENETRATION.
- TERRESTRIAL DEPLOYMENT (LIKE FIBER) VERY CUMBERSOME WITH LONG IMPLEMENTATION TIMES.

2. SOLUTION: THE USE OF A SMART MIX OF PROPRIETARY TECHNOLOGIES, CREATING AN EFFICIENT LOW COST MULTIMEDIA DELIVERY PLATFORM SYSTEM THAT SOLVES:

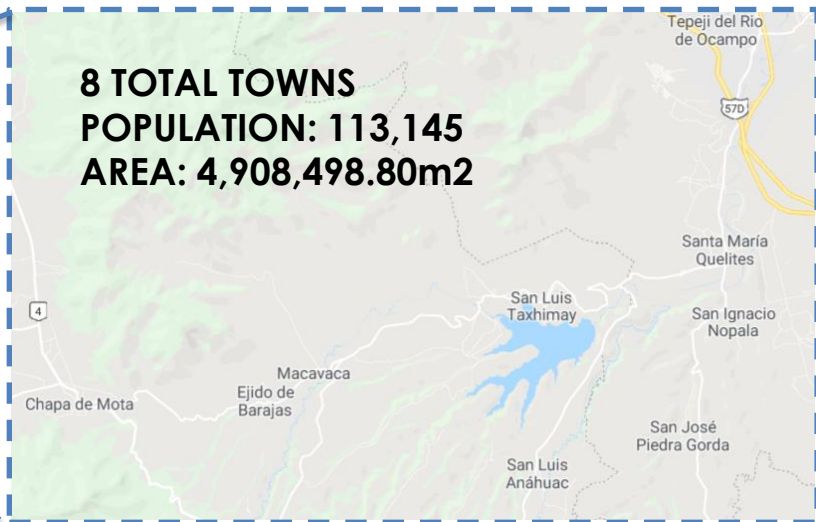
- CONNECTIVITY WITH RURAL AND HARD TO REACH AREAS.
- DIGITALLY ENGAGE WITH POPULATION AND PROVIDE: VOIP, EDUCATION, MEDICINE, FOOD, STOCK INVENTORY THROUGH IoT, OTHER.
- CENTRALIZE DATA GATHERING ON RURAL AREAS.



CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



RURAL EXAMPLE: CHAPA DE MOTA, MX



8 TOTAL TOWNS
POPULATION: 113,145
AREA: 4,908,498.80m²

RENEWABLE ENERGY



WATER PUMP





CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



1. GIVE ACCESS TO BROADBAND SERVICES TO 70% OF MEXICANS, WHO TODAY DO NOT HAVE THIS SERVICE DUE TO LACK OF INFRASTRUCTURE (3 OF EVERY 10 HOMES IN MEXICO, REF. INEGI 2013).
2. THE SYSTEM WILL ALLOW BROADBAND CONNECTION TO ALL SOCIO-ECONOMIC LEVELS: EDUCATION, TELEMEDICINE, MULTIMEDIA, ETC.
3. LIFE SAVING DELIVERY SERVICES FOR MEDICINES, FOOD, ETC., UTILIZING UNMANNED AIRBORNE VEHICLES (DRONES).



CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



RURAL EXAMPLE: CHAPA DE MOTA, MX



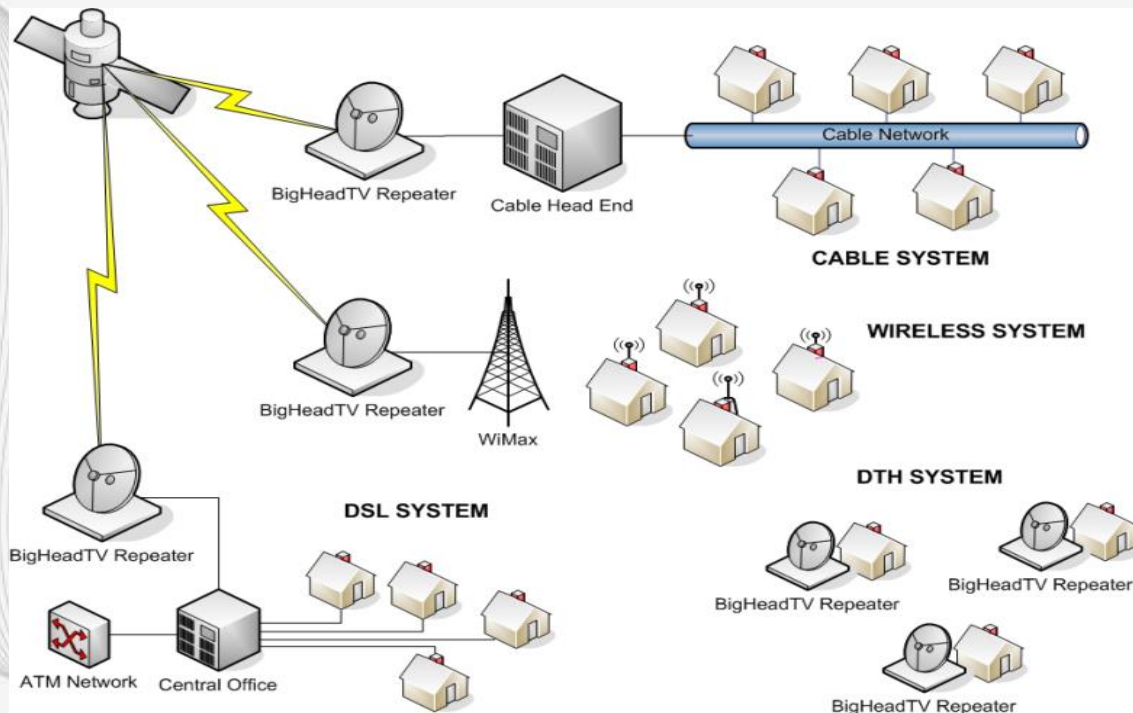


CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



AGNOSTIC TO TRANSPORTATION MEDIUM FOR CONTENT DISTRIBUTION

- DTH
- Fiber/Cable
- Copper
- WiMax
- White Space
- Electric Power Grid



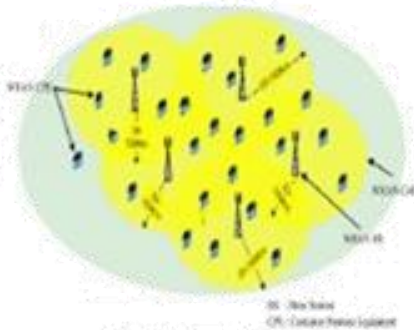


CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



POTENTIAL APPLICATIONS

WRAN (IEEE 802.22)



RED MULTIMEDIA
SOHO



RED COMUNITARIA



TELEMEDICINA



AUTOMATIZACIÓN
Y CONTROL



TELEFONIA IP



Bajo consumo
Alta Portabilidad

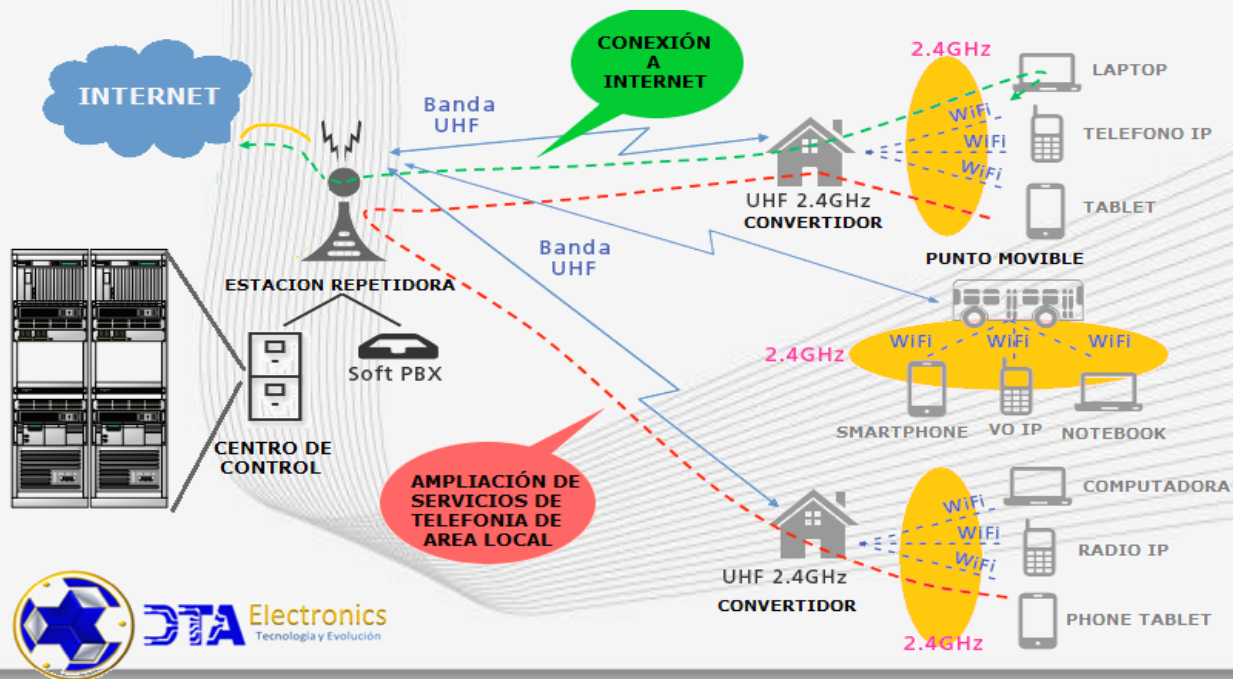




CLOSING THE DIGITAL DIVIDE RURAL BROADBAND



DTAE REQUESTS THE NATIONWIDE USE OF THE AVAILABLE SPECTRUM WHERE THE ANALOGUE TELEVISION (VHF / UHF) OPERATED, IN ORDER TO DEVELOP THE NETWORK, WHICH WILL OFFER THE RURAL BROADBAND PROPOSED IN OUR SOLUTION.



DTA Electronics
Tecnología y Evolución



CLOSING THE DIGITAL DIVIDE RURAL BROADBAND

STB IS MULTIMEDIA “INTEGRATOR” AND TALKS TO MAIN SERVER



STB_CHARACTERISTICS

- CPU/DVR/PVR ,Terrestrial And Satellite Receiver, Modem & Router.
- Download: Files, Apps, Software, Books, Games, Etc...
- LAN / WAN Device, Mobil Apps.
- Blu-Ray, 3D, UltraHD, and Future Formats
- Local Caching.
- Content Cloud Backup.
- Remote, Keyboard, & Voice Command Capable.
- Interactive Index Search.
- Content Self Ingestion.
 - Pictures, Movies, Music, Etc...
- 2 Terabyte Storage & Expandable.
- Triple-Play Capable.
- Web Interactive Program Guide.
 - SmartTV Capabilities.
 - SocialTV Capabilities.
- Agnostic To Internet Connection.

THANK YOU

*Today Was Yesterdays Future,
Lets Make It A Bright And
Caring One Everyday*



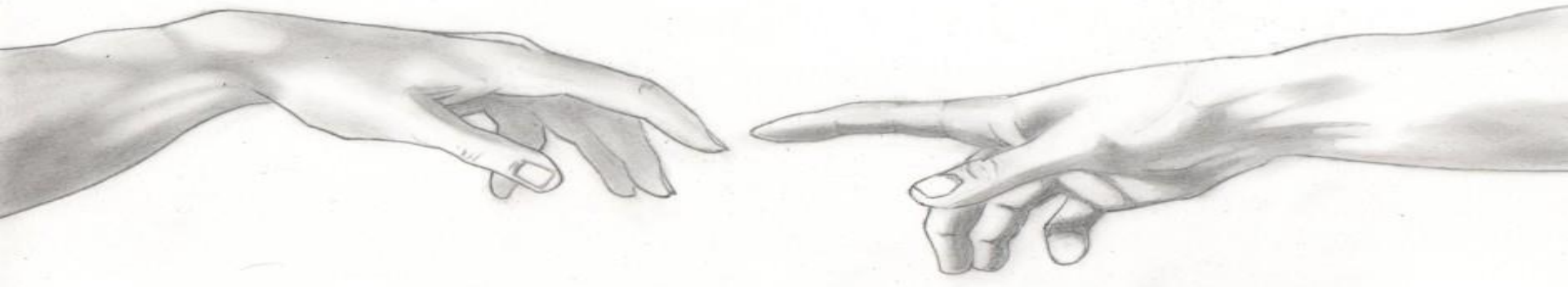


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