

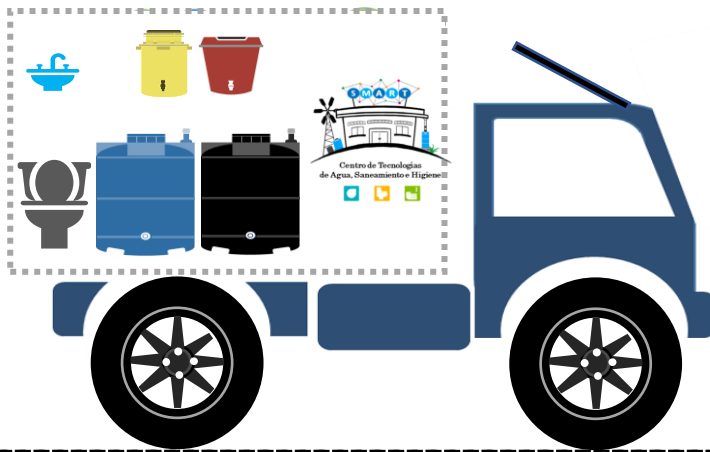


NICARAGUA SMART CENTRE Update 2021/2

Centro de Tecnologías



de Agua, Saneamiento e Higiene



The
SMART
Centre
Group

Feb. 11, 2022

Evolution of the Self-Supply Approach and the Nica SMART Centre



AMEC



Inter American Foundation
WASH value chain development
Bilwi, Rosita, Waspam
2012 - 2015



Inter-American Development Bank/Multilateral Investment Fund
WASH value chain development (Bilwi, Rosita, Waspam)
Apr 2015 – Oct 2018

**Established
WWD 2017**



Drink&Donate/skat foundation
WASH self-supply project
(Waslala, Puerto Cabezas)
Jun – Dec 2019



Nicaragua Country Program launched July 2011



Henk Holtslag presentation NicaraguaSAN 2015



lazos de agua

Latter-day Saint Charities 2017 - 2021
Lazos de Agua Rural WASH Project (ABC – Capital) 2017 - 2021



**Relaunched
WWD 2019**



**Accelerate
Self-supply
Side event
Oct 2019**



**Launch
CENTECSMART
(Jul 1, 2021)**

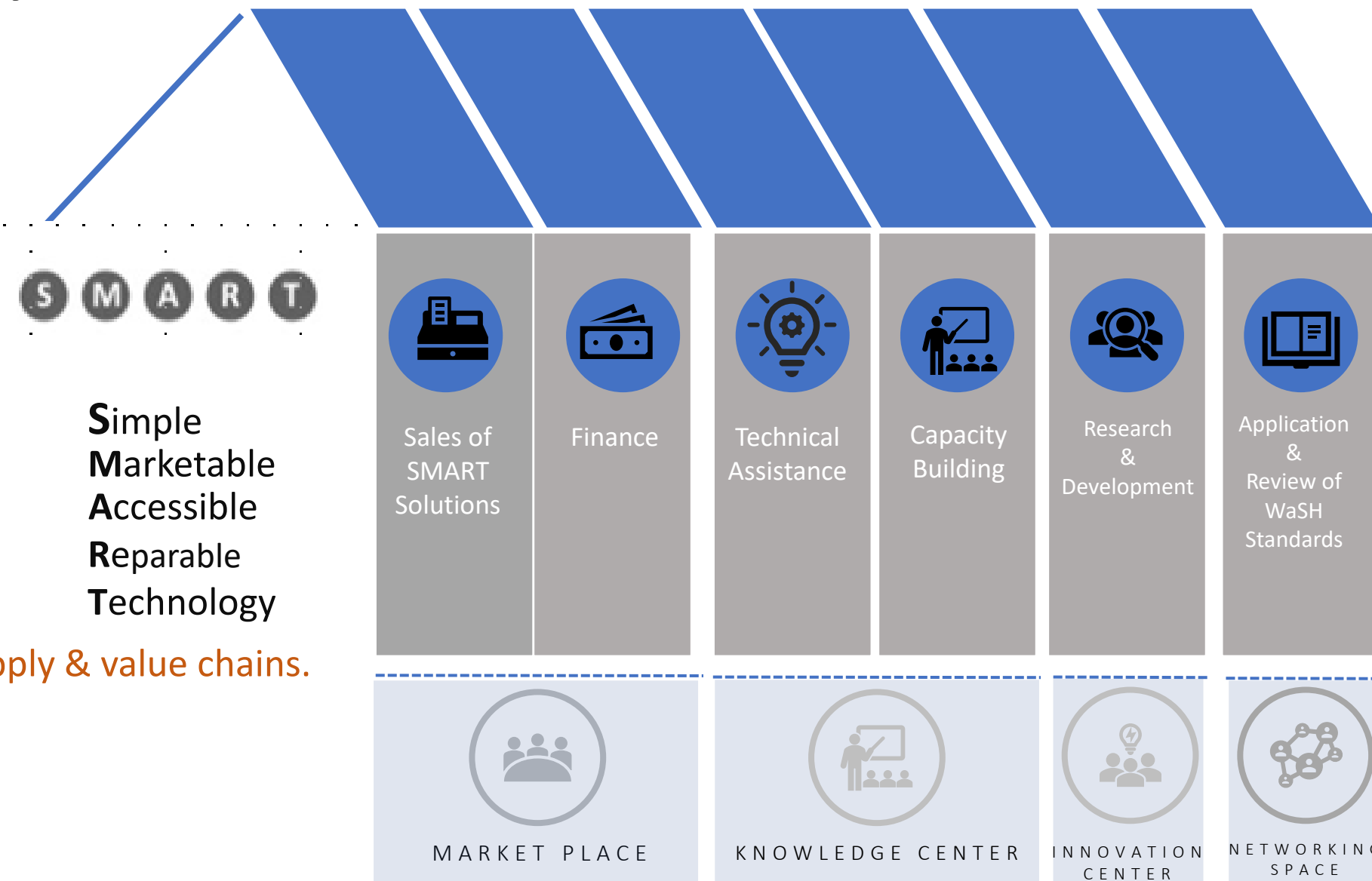


Managed by NGO EOS International Oct 2018 – Dec 2020
Managed by small enterprise AMEC Jan – Jun 2021



Tipitapa, Nicaragua

One roof. Many SMART solutions & services.



Incubating sustainable supply & value chains.

Everything under one roof.



Hand pumps



Household water treatment and storage



Rainwater catchment



On-site Sanitation

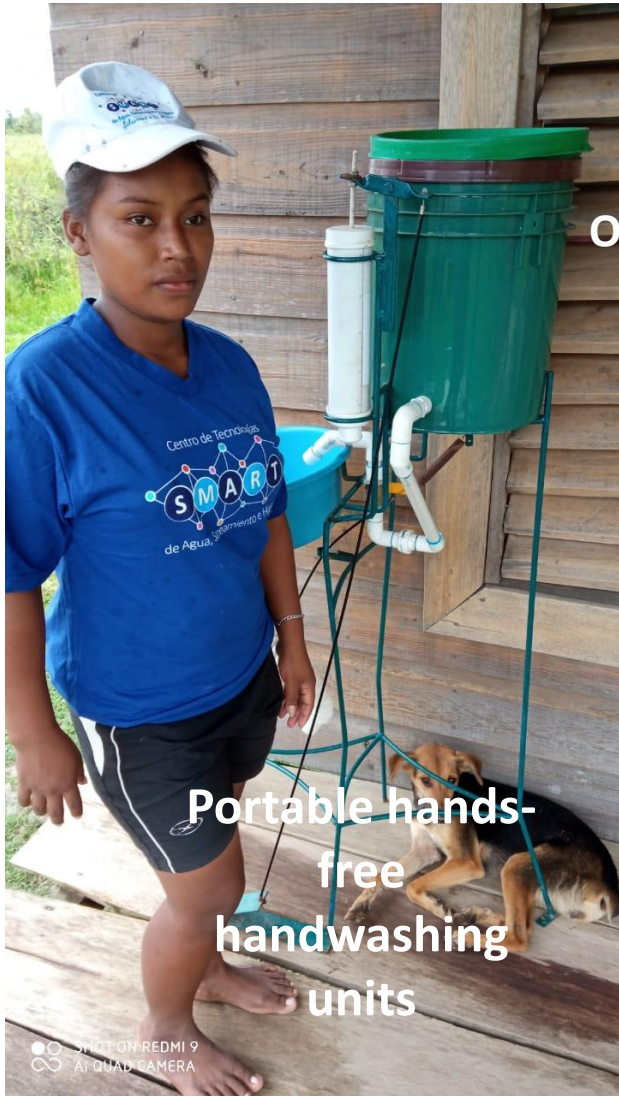


2021 * **Impact + Highlights**

- 4,156 families obtained SMART solutions (filters, portable handwashing stations, rope pumps)
- Total sales in the order of US\$ 290k* (86% technologies, 9% project support, 4% trainings)
- 2 months on-line training on household water treatment and storage provided to 150 municipal/district WASH units nationwide (collaboration with CAWST)
- Virtual tour videos
- Innovation with portable handwashing units, fecal sludge removal, and community management systems
- 5 local sales points established for household filters

*Eta & Iota Hurricanes (Nov 2020) relief efforts had a significant influence on sales and impact

Innovation.



Sistemas de bombeo solar

Ensamblados a la medida



Características y Beneficios

- Para uso en riego a pequeña escala, ganadería y uso doméstico
- Eficiente relación beneficio-costo, sin uso de combustible, ni energía eléctrica, ni baterías
- Bombas modulares, las cuales se pueden conectar entre sí para aumentar su rendimiento
- Instalación sencilla y rápida
- Bajo costo de mantenimiento
- Los meses de mayor rendimiento, coinciden con los de mayor demanda de agua
- Sistema ecológico

Contáctenos

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Modelo ZL38-13N Modelo ZL50-20N





2022

What's ahead

- Continue on-line (and in-person) training with collaboration from CAWST
- Work in new municipal/district project with 6 local WASH entrepreneurs with Skat Foundation
- Provide training services to World Vision
- Expand network of local filter distributors and introduce other SMART technologies
- Update rope pump impact study
- Start carbon credit program with Basic Water Needs
- Trial support to manual well-drilling local enterprise
- Continue promoting innovations for:
 - fecal sludge management,
 - handwashing/transport/storage of water,
 - small-scale solar pumping
- Promote SMART Centre approach at LATINOSAN (Oct 2022 – Bolivia)



FOR SELF SUPPLY !