Quality infrastructure helping to prevent a digital and green divide

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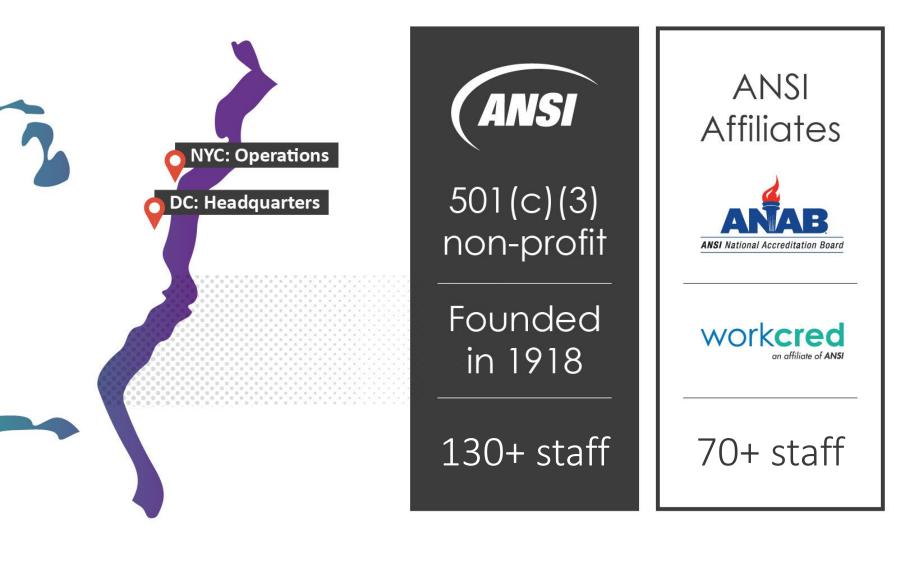
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Overview

- ANSI Introduction
- Technical assistance activities supporting a national quality infrastructure to help prevent a green and digital divide
- Increasing capacity in Senegal for solar energy standards
- Future priorities

ANSI Quick Facts



ANSI

What Does ANSI Do?

Coordinates and ensures the integrity of the standards and conformity assessment system

Serves as a bridge between public and private sectors

Provides a neutral forum for coordination

Accredits standards developing organizations and approves American National Standards

Serves as a clearinghouse for information on standards, conformity assessment, and related activities in the U.S. and abroad

Represents the U.S. globally

Serves as the official U.S. representative in regional and international non-treaty standardization forums

Facilitates access to these forums and programs by U.S. experts, organizations, and industry

Coordinates standards capacity-building programs in developing countries

Promotes U.S. interests





Technical Assistance

ANSI's international development and technical assistance work helps nations throughout the Americas, Africa, and Asia build their national quality infrastructure.

> Private sector led initiatives, particularly in sectors such as medical devices, water and sanitation, energy, digital infrastructure and others

BILL& MELINDA GATES foundation

Standards

Addressing critical sanitation needs through the development and promotion of international non-sewered sanitation standards (NSSS)

Former projects:

U.S.-Africa Information & Communications Technology Program U.S.-Africa Clean Energy Standards Program

U.S.-Indo-Pacific Standards and Technology Cooperation Program

Standards Alliance: Phase 2

- Leading Organizations:
 - USAID
 - American National Standards Institute (ANSI)
- Funding Structure:

USAIDANSI/private sector2019 - 2026\$9.15 million\$8.65 million



Objectives

- Build off Phase I to support capacity of partner countries in the areas of:
 - legal and regulatory framework
 - standards development
 - conformity assessment procedures
 - private sector engagement
- Support development of national quality infrastructures aligned with international best practices
- Engage partner countries in the intersection of standards and economic development using economic development project-like approaches



Partner Countries/Regions

- Regions of focus for this activity include Latin America, sub-Saharan Africa, Indo-Pacific
- Programming at national or regional level, as appropriate
- Focus countries:

Brazil	Indonesia	Ghana
Colombia		Kenya
Mexico		South Africa
Peru		Senegal
		West Africa (regional)

Preventing a Green Divide: Transforming the Energy Sector in Senegal



The initiative trained solar photovoltaic (PV) technicians in accordance with relevant international standards.

By incorporating gender-specific trainings, the project facilitated more equitable labor force participation and advances opportunities for women in the energy sector.



The goal was to create a lasting training curriculum for local technicians and enhance local practices for solar mini-grid installation, maintenance, and efficiency.





Results

- Bolsters electricity access for the 60% of rural Senegalese communities that currently live without power.
- Courses inducted into Mechanical Engineering curriculum of Dakar American University of Science and Technology (DAUST).
- After 2 6-week courses, 7 instructors and 30 students trained.



- To support lasting and sustainable training in Senegal, Outback Power contributed a solar mini-grid system to DAUST for hands-on training.
- Average overall reported increase in confidence level of 31% compared with before and after the training.



Future priorities for technical assistance

- Digital infrastructure
- Climate strategies and goals
- Critical and emerging technologies
- Strengthening open and inclusive participation in international standards activities
- Removing technical barriers to trade and expanding market access to further economic development

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