

Terre Solidali

WASH Profile

Background

Terre Solidali (TS) was established in 2002 in Italy as a non-profit, non-governmental organization with the objective of enhancing local resources by strengthening public institutions, the private sector, and civil society in Africa.

Since most Somalis live in areas facing water shortages or lack access to potable water, WASH (Water, Sanitation, and Hygiene) has been the main sector of intervention for TS in Somaliland and Somalia since its inception.

Terre Solidadi Vision

The vision of TS in the WASH sector is to enhance long-term, sustainable, and inclusive access to water service delivery through improved planning, design, and management of water sources.



Water Sector Intervention Areas

Terre Solidali's water sector interventions span most WASH activities, with a core focus on studying, planning, developing, and managing underground and surface water resources across Somalia.

The organisation has built strong technical capacity over 18 years in Somaliland and Puntland through complex urban and rural water projects, and through water studies and engineering assignments in South-Central regions of Somalia.

Terre Solidali operates nationwide by working closely with public institutions, water utilities, and government agencies to implement and support water sector initiatives.



Water Research

Terre Solidali excels in water research in Somalia due to its experienced local and international team and advanced surveying equipment.

The organization applies various methodologies such as remote sensing, geophysical, hydrogeological and geological surveys, GIS mapping, borehole logging, geotechnical studies, and exploratory drilling.

Water Master Plan

Terre Solidali's Water Master Plans provide a structured framework for the development of urban water services in Somalia. Each plan covers critical components such as water demand, resource assessment, infrastructure and financial planning, stakeholder engagement, management and PPP options.

So far, Terre Solidali has developed 14 water master plans for major towns in Somaliland, Puntland, South West State, and Hirshabelle.



Water Infrastructure

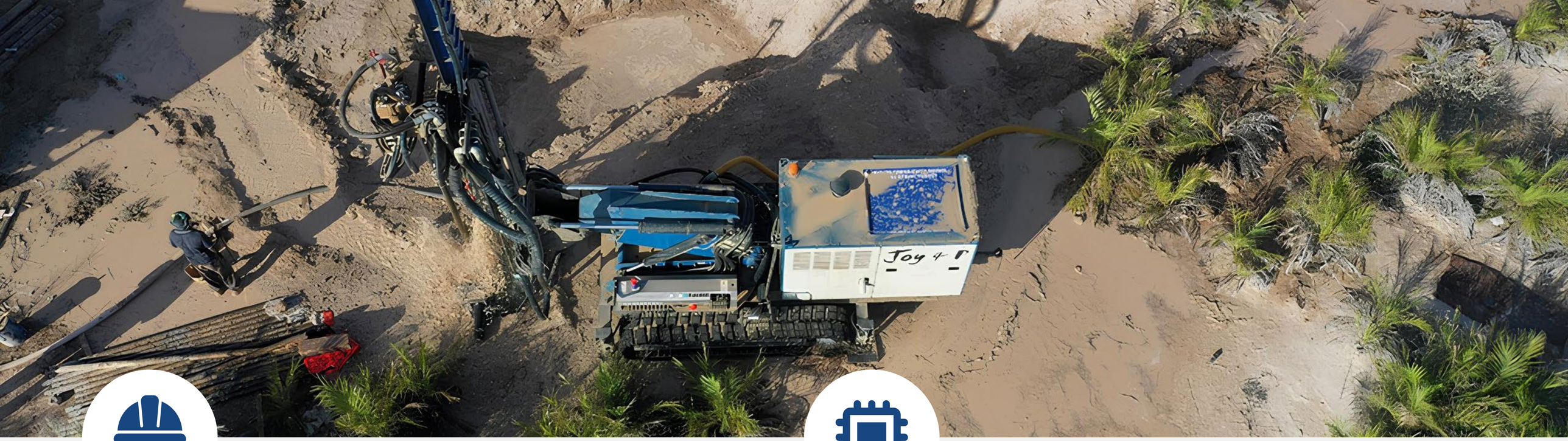
Terre Solidali specializes in water resources development and the construction of large and complex water supply systems in Somalia and Somaliland, ensuring quality and value. The organization is noted for its expertise in water harvesting solutions—such as sand dams and infiltration galleries—as well as spring development.

Terre Solidali has also expanded its competence to include irrigation systems and borehole drilling.

Solar Pumping Systems

Terre Solidali's expertise in solar pumping systems helps reduce water supply operating costs and enhances sustainability—especially for rural areas lacking technical capacity.

These technologies, combined with strong management and regulatory frameworks, can improve affordability and access through lower tariffs.



Water Governance

Terre Solidali’s water governance strategy focuses on strengthening the capacity of public institutions, water agencies, and PPP companies to plan, manage, monitor, and deliver improved water services in Somalia.

It also provides technical assistance to develop PPP roadmaps, draft agreements, design water tariff structures, and prepare financial plans.

Information Technology

Terre Solidali has developed tailored billing and accounting systems to enhance the management and accountability of water service providers.

To date, Terre Solidali has implemented nine billing systems in Somalia, serving both public agencies and PPP water companies.



Water Drillings

Due to the high rate of well failures, the high costs of drilling, and the need to improve groundwater investigations, Terre Solidali has expanded its operational capacity through investments in exploratory drilling equipment, well production, and geotechnical investigations.

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