



Africa

Sustainable
Development,
Resilience, and
Community
Building



Contents





[Foreword](#)

[About Sidara](#)

[Buildings](#)

[Cities](#)

[Transportation](#)

[Healthcare](#)

[Water](#)

[Energy](#)

[Sustainability](#)



Foreword

From a new capital city in Egypt to one of the world's most ambitious renewable energy ventures in Angola, Dar is committed to working with our communities across Africa to realize the ambitious visions of our various nations and to support sustainable development and innovation across the continent – especially as it prepares to play a key role in global affairs.



Driving sustainable development

From healthcare and sustainable urban planning to essential water infrastructure and electrification ventures, Dar has the end-to-end design, planning, engineering, and management capabilities and subject matter expertise to undertake ambitious development projects.

With our local clients and international partners, we work to create environments that drive growth and empower communities to thrive.

We make international expertise local.

Africa is incredibly and uniquely rich in cultures, nations, languages, traditions, visions, and expectations. One of the continent's most established design consultants, Dar has been undertaking ambitious development projects in Africa for over five decades.

The key to our success has been our ability to establish a deep-rooted presence in the countries and communities we serve – relying on our local staff to take the lead, engaging with our local communities, providing capacity-building programs to transfer our international expertise, and committing to a long-term and impactful presence in each of our host communities.



Established and Operating
in Africa since 1968



25 Offices in
21 Countries



More than
2,700 Employees



More than **1,100**
Projects Undertaken



More than **100 billion USD**
Worth of projects under
design/supervision

About Sidara

dar

Perkins&Will

TYLin

PENSPEN

L&B
Master Planning of the Leading Edge

Introba

CB Currie & Brown

MAFFEIS
engineering



Sidara is a global design, engineering, and consulting collaborative with award-winning impact and global reach. Sidara's vision is to be the leading, trusted, global advisor in delivering complex, multidisciplinary, and iconic projects which create long-term social value.

20,000+
Employees

308
Offices

60
Countries

With principal offices in Beirut, Cairo, London, Pune, Amman, Chicago, San Francisco, Taipei, Cincinnati, St. Louis,

#10

International Design Firm

#3

Middle East

#3

Africa

#6

United States

Engineering News-Record: ENR 2023

We take on the world's most exciting and ambitious projects in order to nurture sustainable development, empower and connect communities, and create better opportunities.



Sidara's leading brand in Africa is Dar. Dar is one of the world's leading consultancies, providing design, planning, and engineering services for a wide variety of market sectors, including buildings and cities, transportation and civil infrastructure, water and the environment, and project management.

We are a global community of talented and innovative engineers, planners, economists, architects, designers, project management specialists, construction management professionals, and multidisciplinary experts.



dar

At a glance

9,000+
professionals

49

permanent local offices spread across
the Middle East, Asia, and Africa

5
major design
centres

4,500+
projects collectively worth
US\$ 300 billion+*

950+
clients served, in
60 countries

What we stand for:



Ethical business:

Dar is a signatory to the United Nations Global Compact, and our corporate strategies and operations are aligned with universal principles of human rights, labour, and anti-corruption.



Innovation with impact:

With an active and diverse research agenda, our teams experiment with digital ways of work and state-of-the-art technologies in order to improve outcomes for our clients and our people.



Sustainability & net zero:

We empower our people, clients, and communities around the world to decarbonise by 2050 in line with global goals. Dar is a signatory on the World Green Building Council's Net Zero Carbon Buildings Commitment.



Efficiency, quality, and compliance:

Dar is committed to excellence and full compliance with all regulatory and contractual requirements — from design quality and construction site safety to information management and cybersecurity— in all of our offices and projects around the globe.

Dar is a full-service provider for end-to-end planning, design, engineering, and management consultancy services in five market sectors:



Buildings & cities



Transportation and civil infrastructure



Water and environment



Project management



Digital way of work

Buildings

2nd

ENR2023

From Africa's tallest tower in Egypt's New Administrative Capital to the new National Assembly seat in Angola, Dar provides world-class design, engineering and management services for Africa's most exciting and ambitious building projects. We create buildings that honour local cultures, generate opportunities and value for their communities, and celebrate a more vibrant future.



Educational campuses

Healthcare

Governmental buildings

Hospitality and convention centres

Offices

Retail

Residential developments

Commercial complexes

Sports and leisure

Religious and cultural buildings and developments

Entertainment and theatres

Correctional facilities

Pharmaceutical and medical research laboratories

Heavy industry



Central Business District **New Administrative Capital, Egypt**

Projected to become the tallest tower in Africa, the 385-m-high skyscraper is the major landmark and focal point of the Central Business District in Egypt's New Administrative Capital.





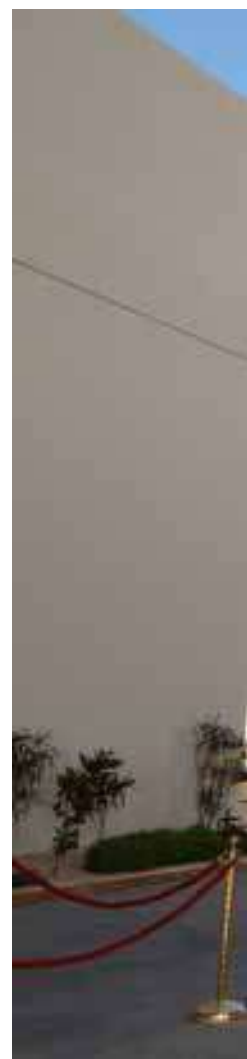
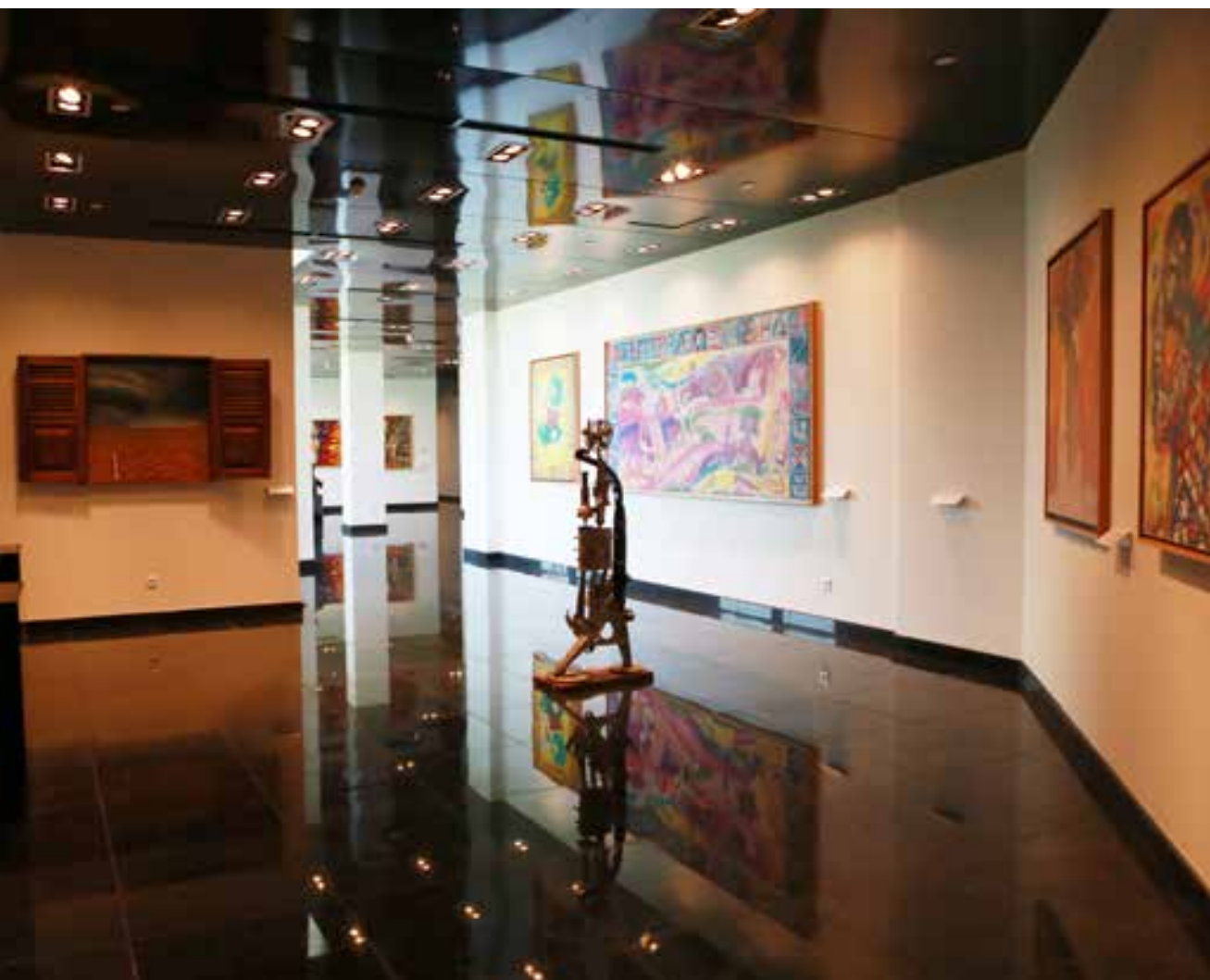




National Assembly

Luanda, Angola

The New Seat of the National Assembly was designed to host the Honourable Members. The neoclassical style of architecture emphasises moderation, equilibrium, and idealism, while the excellence of the interior design confers the dignity due to a building of such national significance.



National Archives Luanda, Angola

The state-of-the-art National Archives complex was designed to accommodate and preserve historical records, valuable rare collections, and other media that represent the memory, history, and culture of the Angolan people.





Cities



We embrace the opportunity to re-imagine cities and provide sustainable solutions through visionary, inclusive, and culture-oriented planning.



Policy studies and strategy

Urban design

Master planning

Strategic planning

Social, economic, and spatial development

Smart city consultancy





Ibadan Master Plan

Ibadan, Nigeria

Working with Nigeria's Oyo State Government, Dar prepared the first comprehensive strategic master plan for Ibadan, the country's third largest city. The master plan was designed to trigger heritage-led regeneration, safeguard flood-prone areas, and prioritize public realm improvements.

Illorin Master Plan 2042

Nigeria

"The vision of the plan is to build a state we can all call our own,"
Kayode Patrick Alabi, Governor of Kwara State.

The Kwara State Government commissioned Dar to prepare a master plan to guide the sustainable growth and development of Ilorin, Nigeria's seventh largest city. Through a number of guided interventions, the master plan aims to balance and foster growth and development and create a framework for easing transportation challenges, generating employment opportunities, creating more livable environments, and attracting local and foreign investment.







New Administrative Capital

Egypt

Egypt's New Administrative Capital is a transformational enterprise which aims to alleviate Greater Cairo's increasing densification and establish a new growth hub for future generations. In terms of planning, Dar assessed and validated the Strategic Master Plan set for the entire 71,400 ha area, the General Master Plan for the 16,800 ha Phase 1 and the Detailed Master Plan for the 4,410 ha Phase 1 Priority Area. Dar also prepared the master plan for the Central Business District and the Central Park.



Transportation

7th

ENR2023



Across Africa, we are helping our clients connect and empower communities and facilitate economic growth through landmark, ambitious land, air, and sea transportation projects.



Transport master planning

Airports

Ports and marine facilities

Bridges, long-span structures, and tunnels

Highways and interchanges

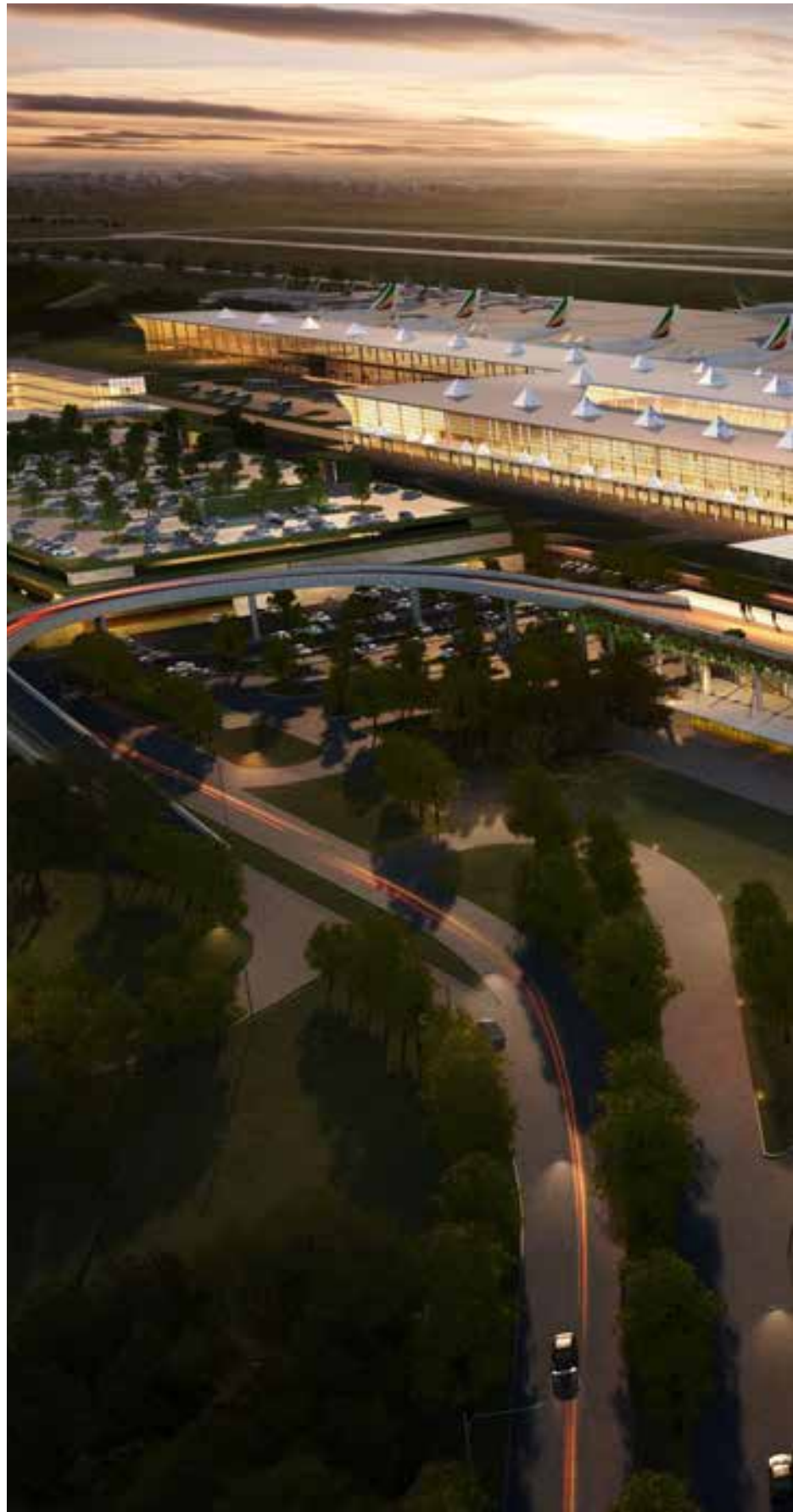
Mass transit

Light and heavy rail

Pedestrian facilities

Bole International Airport **Ethiopia**

Dar provided consultancy services for several packages related to the development and expansion of airport facilities at the Bole International Airport.









Bugesera International Airport **Rwanda**

Dar is developing the design and supervising the construction of the New Bugesera International Airport, a highly sustainable greenfield airport envisioned to act as a regional hub for East Africa.

Mangapwani Multipurpose Port

Zanzibar

The Mangapwani multipurpose port is a new cargo port designed to cater to the East Africa and international markets and to support the existing Malindi port in meeting Zanzibar's growing trading target and supporting the development of the national economy. In 2021, Dar was commissioned to review and significantly update the master plan for the new port.







Cairo Metro Line III

Egypt

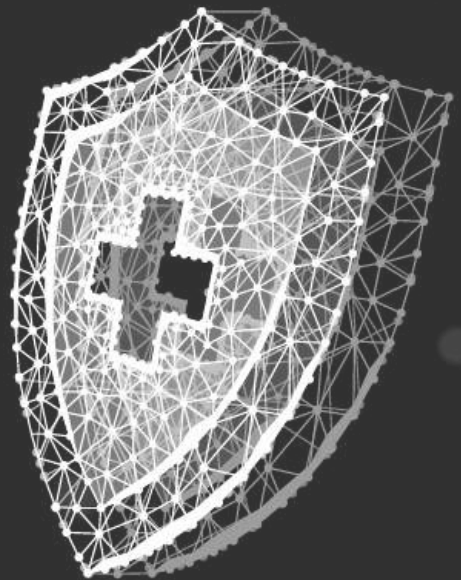
The award-winning Cairo Metro Al Thawra Line III is a main line in Greater Cairo's mass transit system. The line will meet enormous transportation demands along its route, reduce traffic density and act as the first transversal line linking east and west Cairo. Dar prepared the detailed design (under BIM management) of a 7.5-km-long line, extending from El Nozha District to Cairo Ring Road, including six stations, one depot for heavy and light maintenance with 32 buildings, and all related infrastructure and electromechanical services.



Healthcare

1st

ENR2023



We successfully plan and design ambitious new healthcare projects by providing a complete range of services, state-of-the-art technologies, internationally-recognized design processes, and a willingness to instigate transformational change in a local healthcare market.





Magdi Yacoub Global Heart Centre **Egypt**

In collaboration with Foster + Partners, Dar has successfully completed the design of the Magdi Yacoub Global Heart Centre, a new world-class hospital that successfully integrates essential clinical care facilities with a research and innovation centre — setting the stage for exceptional and future-fit healthcare delivery.



Luanda's Institute of Pediatric Hematology Angola

The first of its kind in Angola, Luanda's new Institute of Pediatric Hematology is a state-of-the-art support centre offering essential healing environments and optimal pediatric treatment and care for children suffering from sickle cell anemia and other hematological conditions. Characterized by its playful, imaginative spaces and connections with nature, the institute features a pediatric hemotherapy component, a bone marrow transplant centre, and facilities for research on hematological and immune-hematological diseases.







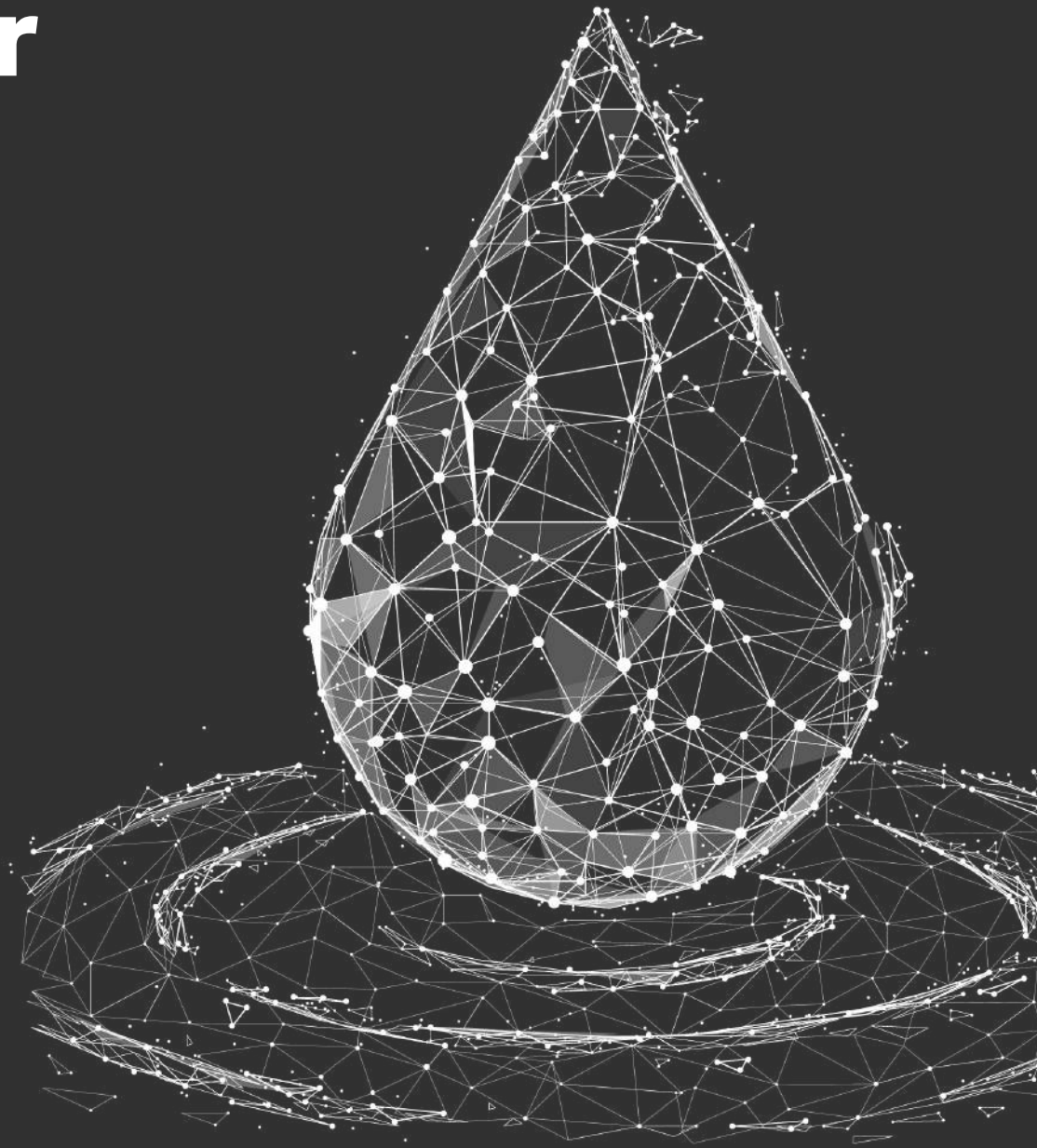
The Specialised Centre for the Treatment of Endemic Diseases and Pandemics

Angola

The Specialised Centre for the Treatment of Endemic Diseases and Pandemics is a 1,376-bed medical centre, that will serve as a frontline for the treatment of contagious infections and diseases, such as COVID-19 as well as future endemics and pandemics. Converted from an existing residential compound over a period of 12 months, CETEP is now the medical unit with the largest capacity in Angola.



Water



In water-stressed regions across the Middle East and Africa, Dar works with governments and public and private stakeholders to design innovative, sustainable, efficient, and integrated water infrastructure solutions that empower communities, meet societal and industrial development needs, facilitate recharge and reuse, and safeguard essential water resources for future generations.



Integrated water resource planning and management

Water transmission and distribution

Wet utility networks

Water treatment facilities and supply systems engineering

Groundwater and hydrogeology

Wastewater collection, treatment, and reuse systems

Surface and groundwater modelling

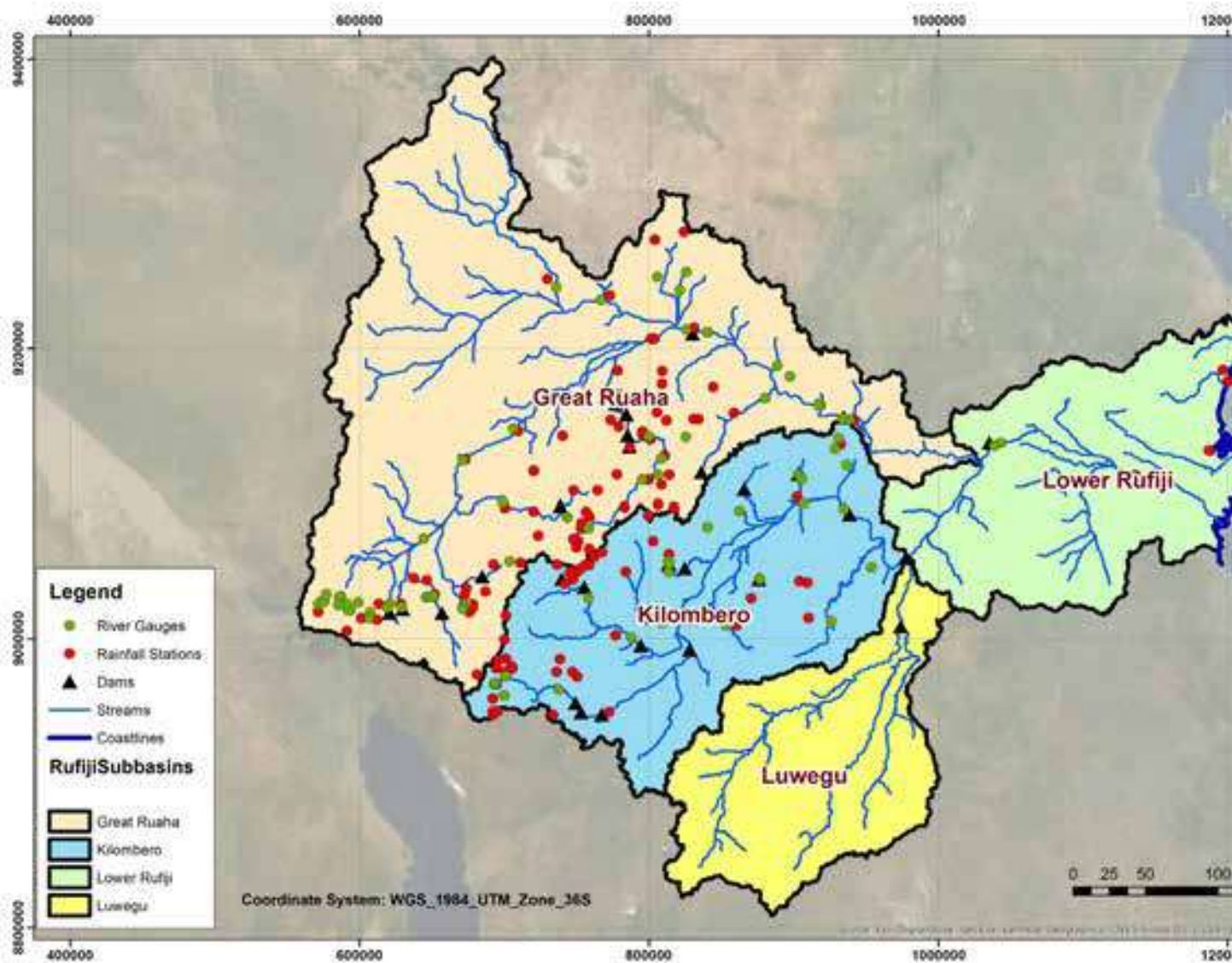
Dams and hydraulic structures

Flood risk assessment and protection

Sustainable stormwater drainage networks

Irrigation systems and agricultural development

Environmental and social impact assessments





National Hydrogeological Aquifer Mapping Tanzania

In 2019, the government of Tanzania commissioned Dar to investigate and map out all groundwater aquifers in four of the nation's largest basins. The objective was to enable more informed water resource planning, management, and development and to ensure the delivery of efficient, reliable, and sustainable water supply and sanitation services benefitting the Tanzanian people for years to come.







Transfer Beni Haroun

Algeria

The Transfer Beni Haroun supplies six of Algeria's eastern wilayas with water from both the Beni Haroun and Boussiaba Dams. Dar provided technical assistance, design review, and supervision of construction services for the water conveyance systems that cater for the potable water needs of the six wilayas (300 million m³/year) as well as for the irrigation of 30,000 ha of new agricultural zones (204 million m³/year).





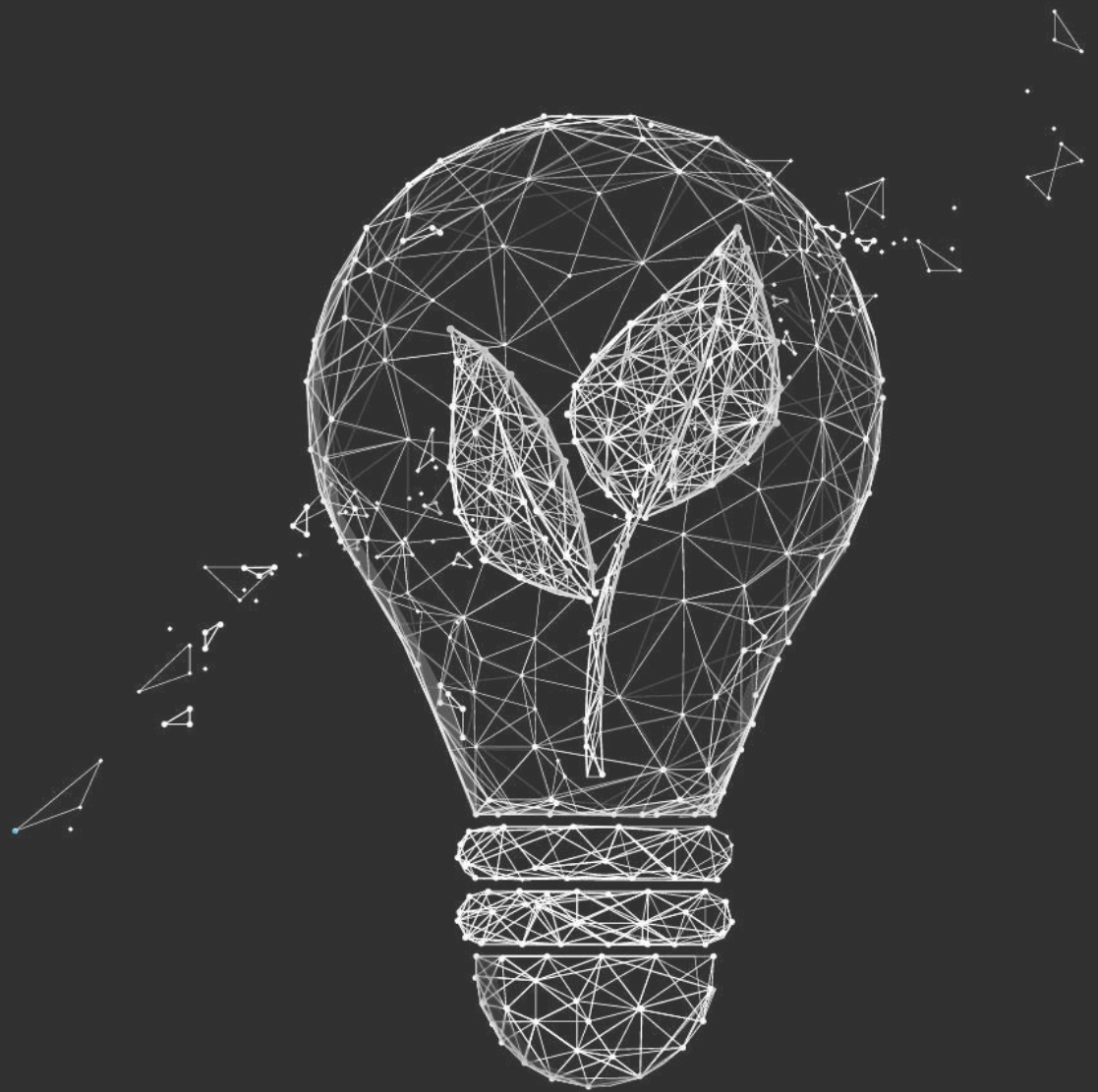


South-East Luanda Water Supply

Angola

Dar supported the rehabilitation and upgrade of the Luanda water supply system, an effort that included the construction of new components and the recuperation and rehabilitation of existing one.

Energy



From developing oil and gas reserves for near-term energy needs to accelerating the energy transition through renewable energy solutions,



Power generation

Simple cycle and combined cycle gas turbine

Cogeneration

Coal-fired power generation

Thermal plants

Reciprocating engines

Wind energy

Solar energy

Geothermal energy

Dams and hydropower

Transmission and distribution

Microgrids

Battery storage

370 MW photovoltaic plants

Angola

Through the largest integrated, public, renewable energy intervention program in sub-Saharan Africa, Dar are providing consultancy services to facilitate the construction of seven photovoltaic power plants with one million solar panels, designed to deliver 370 MW of clean, sustainable, and reliable energy. The project promises to revolutionize access to energy in Angola — delivering clean, sustainable energy to over one million people in territories and rural, isolated areas that still lack reliable access to the public network.







Chimuara – Nacala 400 kV overhead transmission line

Mozambique

The first of its kind in Mozambique, the Chimuara – Nacala 400 kV Overhead Transmission Line aims to meet the power demands of continuously growing industries and residential areas in Northern Mozambique. Dar provided design review, value engineering, and project management services for the project, which includes a new 367-km single circuit 400 kV overhead transmission line, the construction of one new 400/220 kV substation in Chimuara as well as the upgrade of the existing 220/110 kV Alto Molócue substation into a 400/220/110 kV substation.







Laúca transmission lines and substations

Angola

Dar provided consultancy services for 400 kV, 220 kV, and 110 kV transmission lines of a total length of 755 km. Works also comprised upgrading five existing substations and constructing three new substations.



Sustainability



For our people and our planet, we are promoting sustainability in everything we do and empowering our people, clients, and communities around the world to decarbonise by 2050 in line with global goals.

Dar is a signatory on the World Green Building Council's Net Zero Carbon Buildings Commitment, and we have the in-house expertise, capabilities, and accredited experts to deliver projects that meet the highest standards of sustainability and climate resilience, to net zero and beyond.



Advisory

Our experts work with public and private stakeholders to accelerate the transformation that the world needs to build better while creating new frameworks and master plans that promote biodiversity, renewable energy, circular design, and sustainability.

Design Analytics

Our best-in-class engineers and technical experts use state-of-the-art technologies, combined with the latest research, to create impact and optimise the design of building and infrastructure assets and to prepare for the lower carbon world ahead.

Assurance

Dar's over 500 certified professionals have mastered a wide variety of sustainability certification systems and empower clients to meet and exceed the standards of international rating systems.

Performance

Our capabilities cover assessing all project components with the highest impacts and identifying and optimising sustainability drivers behind the project's energy use, carbon, waste, and water footprint.

The Africa Manifesto for **Sustainable Cities and the Built Environment**

In 2022, the World Green Building Council's Africa Regional Network released the draft Africa Manifesto for Sustainable Cities and the Built Environment. Developed with extensive support from Dar and Sidara, the draft outlines policies that African government officials and business leaders must implement to build the "Africa We Want:" resilient, equitable, socially inclusive, and environmentally sustainable built environments for every African, from Cairo to Cape Town.

Launched at the Africa Green Building Summit, the manifesto outlines five priority areas that the network identified as strategically important to guide and shape climate action and ambition towards a prosperous Africa:



Energy



Water



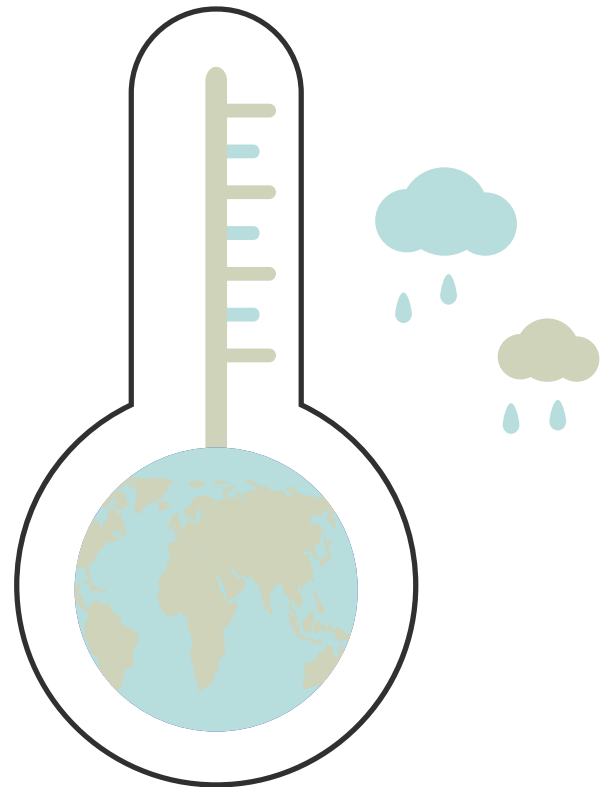
Materials



Finance



Infrastructure



Walking the talk – On track to achieve Net Zero by 2030, we have embarked on a mission to improve our operations

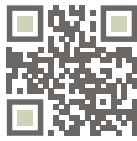


WORLD
GREEN
BUILDING
COUNCIL



**ADVANCING
NET ZERO**

Accelerating Uptake of Net Zero Carbon Buildings



Sidara.com

