

ICT for renewable energy plants, from construction to operation.

COMPANY OVERVIEW

Senses Innovations LLC builds and runs the information and communications technology behind renewable energy plants. Since 2017 it has mobilized site ICT for EPC contractors and run SLA-based managed IT services for plant owners on wind farms across Egypt's Gulf of Suez, including 3 of the country's 4 operating private wind farms (as of October 2026), and has delivered work in Saudi Arabia. It takes on projects in Egypt, Saudi Arabia and the UAE. The company is registered in the United States, with its field team in Ras Ghareb, on the Gulf of Suez.

KEY FIGURES

3 of 4

of Egypt's operating private wind farms have used our ICT services (1,412.5 of 1,662.5 MW, 85%)

3,612.5 MW

of Egyptian wind capacity across 6 of our projects

9 projects

and 15 engagements for owners and EPC contractors

Since **2018**

running managed IT services for plant owners

7 weeks

from site survey to go-live at Infinity Power, Ras Ghareb

550 tickets

handled by our service desk for ENGIE's companies in Egypt in 2025

Figures as of October 2026. Private wind farms under Egypt's build-own-operate (BOO) scheme.

SERVICES

STAGE	SERVICE	WHAT IT COVERS
OPERATE	Managed IT Services	IT operations under a service level agreement (SLA), into operation: service desk, email and collaboration, identity, cybersecurity and substation network operations.
BUILD	Site Mobilization	Construction site connectivity: mast, licensed microwave link, cabling and the approvals from the military and the National Telecom Regulatory Authority (NTRA). Separate networks for the owner, the engineering, procurement and construction (EPC) contractor and subcontractors.
BUILD	Plant Communications	Plant networks and core switching, unified communications (IP telephony and video conferencing), wireless and mobile coverage for substations and plant buildings.
ADVISE	ICT Advisory	For owners we contract with directly: oversight of the EPC contractor's ICT, filling gaps in the EPC scope, audits against group technology standards, radio planning and site surveys.
SUPPORTING	Project Disclosure Web Apps	Arabic and English websites for the environmental and social impact assessment (ESIA) disclosure package and grievance mechanism, aligned with IFC Performance Standards.

From construction to operation, on the same plants.

SELECTED PROJECTS

PROJECT	CONTRACTED THROUGH	CAPACITY	WHAT WE DID	YEARS
Ras Ghareb Wind Energy, Gulf of Suez	ENGIE	262.5 MW	Construction site mobilization. Then managed services from 2018: enterprise resource planning (ERP) migration to the cloud, ENGIE Group Technology Unification compliance, cybersecurity and identity operations.	2017–2018; 2018 to date
Red Sea Wind Energy, Gulf of Suez	ENGIE	650 MW	Early-works site mobilization at the 220 kV Gulf of Suez substation. Then managed services under SLA: ITIL service desk, email and collaboration, cybersecurity and substation network operations.	2020–2021; 2021 to date
ENGIE Egypt service desk	ENGIE	Three companies	One service desk for Ras Ghareb Wind Energy, Red Sea Wind Energy and Ras Ghareb Renewable Energy Services. 550 tickets in 2025.	2018 to date
Infinity Power, Ras Ghareb	PowerChina	200 MW	Turnkey site connectivity: masts, microwave link, NTRA permits, internet activation with a licensed operator and separate networks. 7 weeks from survey to go-live, mobilized ahead of financial close.	2025
Amunet Wind Power, Ras Ghareb	PowerChina	500 MW	Construction site mobilization. Then operations enablement: corporate network, identity and access, supervisory control and data acquisition (SCADA) support enablement and the service desk handover.	2024; 2025
Suez Wind Energy, Gulf of Suez	PowerChina	1.1 GW	Site mobilization across the north and south sites. Mobile coverage for 1,000 concurrent users at the north site. IP telephony and video conferencing for the north and south substations (in delivery).	2025–2026
ENGIE Solar, Nadec City, Saudi Arabia	ENGIE	30 MW solar	Outdoor wireless and operational technology (OT) and Internet of Things (IoT) connectivity for automated panel-cleaning robots.	2021–2022

DELIVERY METHOD

Our standard construction-phase programme takes about 8 weeks: survey and approvals, procurement and civil works, installation, then commissioning and handover.

- 01 Survey and design.** Site survey, line-of-sight study, predictive Wi-Fi design and an on-site Wi-Fi survey. The access point layout goes to the EPC contractor for cabling.
- 02 Approvals.** We coordinate the NTRA and military approvals for the microwave link.
- 03 Backhaul.** A 30 m mast and a licensed microwave link from one of the licensed operators we work with. The client contracts the operator directly, and we add no markup.
- 04 Networks.** Separate segments for the owner, the EPC contractor, third parties and visitors, each with its own wireless network and bandwidth limit. Visitors use a captive portal.
- 05 Acceptance and handover.** Site acceptance test (SAT), then a handover pack: as-built drawings, IP and VLAN inventory, test reports, port matrix and wireless survey report.
- 06 Managed service.** Automated monitoring, remote and on-site incident management, health checks, operator fault liaison, planned maintenance and a monthly report.

CREDENTIALS

- ✓ Senses Innovations LLC, a Texas limited liability company
- ✓ Professional indemnity (E&O) and general liability insurance
- ✓ Written health, safety and environment (HSE) standards
- ✓ Quality management aligned with ISO 9001
- ✓ Anti-bribery and corruption policy and code of ethics
- ✓ Sanctions and export-control compliance
- ✓ Whistle-blowing channel
- ✓ Partnerships with numerous licensed telecom operators

Full details: sensesinnovations.com/credentials

SERVICE MODEL

ITEM	OUR STANDARD
Service hours	Sunday to Thursday, 9:00 to 18:00 Egypt time, excluding Egyptian public holidays
Monitoring	Automated, 24 hours a day, 7 days a week
Priority 1 incidents	Acknowledged within 1 hour, at any time
Escalation	Senses Service Desk, then Service Delivery Manager, then Managing Director
Reporting	Monthly report on uptime, bandwidth use and incidents
Languages	English and Arabic
On site	Field team based in Ras Ghareb

Each contract sets its own service levels.

CONTACT

CONTACT	DETAIL
Inquiries and RFQs	sensesinnovations.com/contact or sales@sensesinnovations.com . We reply within one working day.
Client support	sensesinnovations.com/support (Senses Service Desk, English and Arabic)
Registered in	Austin, Texas, USA
Field team	Ras Ghareb, Egypt
LinkedIn	linkedin.com/company/senses-innovations-llc