



UGANDA · TANZANIA · KENYA · MOZAMBIQUE

IXAR **Africa** Company Profile

Non-destructive testing and industrial inspection, delivered from registered offices in East Africa by a team backed by over 55 years of NDT experience.

ISO 9001 since 2003

ISO 14001

ISO 45001

UAEC & TAEC Licensed

ISO 9712 L-II | L-III

PCN

ASNT Level II / III

Industrial X-Ray and Allied Radiographers (EA) Ltd

A member of the IXAR Group, founded 1969

2026 EDITION

ABOUT IXAR AFRICA



EXPERIENCE... OUR EXPERTISE

East Africa's NDT partner, with a 55-year group record behind every crew.

Industrial X-Ray and Allied Radiographers (EA) Ltd — IXAR Africa — has delivered non-destructive testing and industrial inspection on the continent since 2012. From our regional office in Kampala and our offices in Dar es Salaam and Mozambique, we serve oil and gas operators, EPC contractors and plant owners across Uganda, Tanzania and Kenya, with mobilisation on request anywhere in Africa.

Our crews, equipment and licensed sealed sources are based in the region, so a new site is a mobilisation rather than an import exercise. Today IXAR Africa supports some of the region's most important energy projects, including UT thickness monitoring on the **East African Crude Oil Pipeline (EACOP)**, Sinopec's work on the **Tilenga Project** and PAUT on the **Kingfisher Oil Field**.

We operate as part of Industrial X-Ray & Allied Radiographers (I) Pvt. Ltd., Mumbai — a leader in NDT since 1969 with more than 1,000 technicians — and draw on the group's specialists, equipment fleet and written practices whenever a project calls for it.

2012

Established
in Africa

28

Projects on
record

\$2.0M+

Contract value
delivered & ongoing

20+

NDT methods
offered



Our vision: to be the world's premier **full-service NDT company**, focused on innovative technology and customer satisfaction.

IXAR Group vision

DIRECTORS, AFRICA REGION



IIT Bombay alumnus
Based in Kampala & Mumbai

Rishi Jain

MANAGING DIRECTOR

Rishi leads Industrial X-Ray and Allied Radiographers (EA) Ltd, with responsibility for IXAR's growth, licensing and project delivery across East Africa. He has built the regional business around the operators and EPC contractors developing Uganda's oil fields, bringing group-level equipment and technology to projects such as Tilenga and Kingfisher.

An alumnus of the Indian Institute of Technology Bombay, he also founded **IXAR Robotic Solutions** in 2019 — an IIT Bombay alumni start-up incubated at SINE, IIT Bombay, offering ROV-based underwater survey and inspection.

- Managing Director, IXAR (EA) Ltd — Uganda
- Founder, IXAR Robotic Solutions — underwater robotic inspection
- Earlier: business development, Metal Analysis & Services



University of Groningen
Based in Kampala

Marina López Rodríguez

DIRECTOR

Marina brings more than eight years of international experience across Europe and Africa, much of it managing programmes and partnerships on the ground in East and West Africa. Based in Kampala, she supports IXAR Africa's regional operations, stakeholder relationships and commitment to developing local talent.

She has worked with organisations including the **Suyana Foundation** in Uganda and **Street Child** in Sierra Leone, and studied at the University of Groningen in the Netherlands.

- Director, IXAR Africa — Kampala
- 8+ years in international development across Europe & Africa
- Suyana Foundation (Uganda) · Street Child (Sierra Leone)

LICENCES, APPROVALS & COMPLIANCE



WHY IT MATTERS

Authorised, certified and audited to handle radiation work on the continent.

Holding, storing and moving sealed radioactive sources is the highest barrier to entry in the African NDT market. IXAR Africa holds the national authorisations to do it — so clients get radiography on their schedule, not an import licence timeline.

01

Radiation Safety Authorisation

Licensed to own, store, transport and operate sealed radioactive sources by the Uganda Atomic Energy Council and the Tanzania Atomic Energy Commission. Sources in use include Ir-192, Se-75 and Co-60, alongside X-ray crawlers and close-proximity systems.

UAEC Uganda

TAEC Tanzania

BARC

02

Certified Personnel

Technicians certified to Level II and Level III under PCN and ISO 9712, and to ASNT SNT-TC-1A. Level III staff carry 7–25 years of field experience, Level II staff 5–10 years. BARC-qualified Radiation Safety Officers oversee all source handling.

PCN II / III

ISO 9712

SNT-TC-1A

03

Quality Management

ISO 9001 certified since 2003, with ISO 14001 environmental and ISO 45001 occupational health & safety systems. Written practices align to ASTM, ASME, API, BS, DIN and NACE, or to the client's specified standard.

ISO 9001

ISO 14001

ISO 45001

04

Industry Standing

Member of the American Society for Non-Destructive Testing, American Welding Society, ASTM, NACE, ISNT and NANSO — and one of very few NDT companies that are regular members of the International Pipeline & Offshore Contractors Association.

IPLOCA

ASNT

AWS

NACE

SERVICES WE OFFER



01 Radiography Testing — X-ray & isotope

02 Digital & Computed Radiography

03 Ultrasonic Testing (UT)

04 Advanced Ultrasonics — PAUT / TOFD / AUT

05 Magnetic Particle & Liquid Penetrant

06 Eddy Current & Pulsed Eddy Current

07 Pipeline Inspection

08 Pigging & Intelligent Pigging

09 Tank, Vessel & Tube Inspection

10 Underwater & Marine NDT

11 Destructive Testing & Laboratory

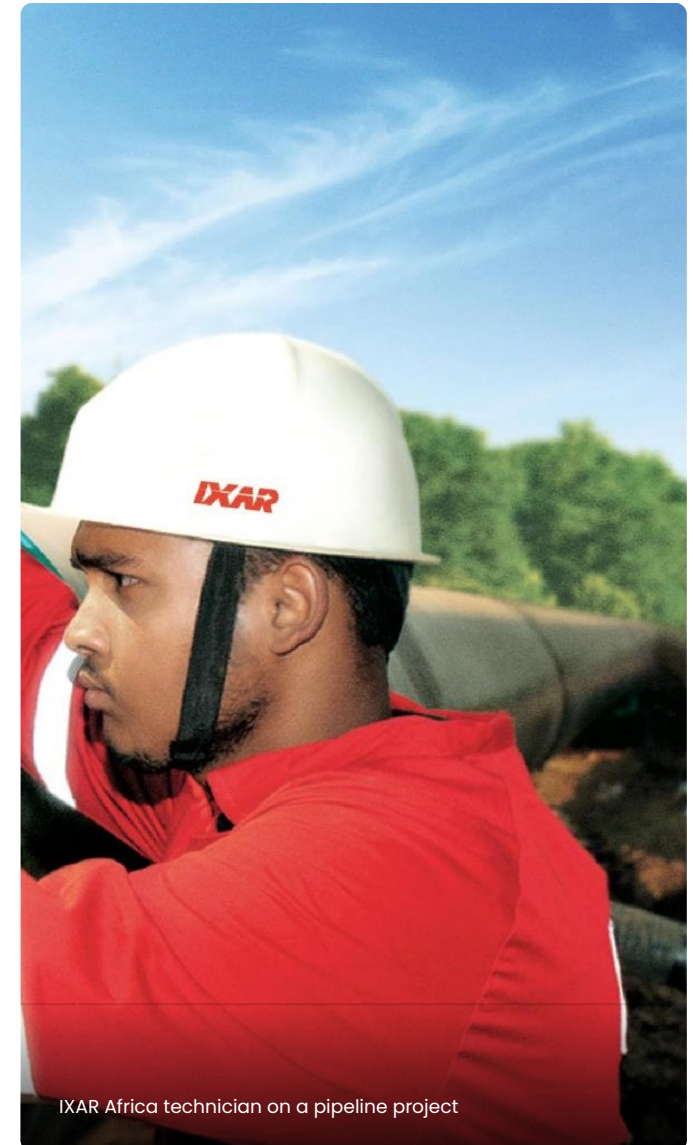
12 Radiation Safety & NDT Training

13 Robotic & Remote Inspection

14 Heat Treatment & Stress Relieving

15 Visual Inspection & Helium Leak Testing

16 NDT Equipment Supply & Maintenance



IXAR Africa technician on a pipeline project

RADIOGRAPHY & PIPELINE INSPECTION



Radiography that keeps pace with the construction front.

Using X-ray generators and gamma sources — Iridium-192, Selenium-75 and Cobalt-60 — our licensed crews inspect welds on pipelines, tanks and live plant, with results in film or digital format. On the Tilenga Project we deploy 8" and 10" X-ray crawlers for Sinopec, and provide tank radiography with film digitization for CPECC.



CROSS-COUNTRY PIPELINES

X-Ray Crawler Radiography

Internal crawlers deliver high radiographic quality and imaging sensitivity with a low failure rate and high productivity on long pipeline spreads.



MINIMAL DISRUPTION

Close Proximity Radiography

Se-75 based systems restrict the radiation area, removing the need to evacuate the work area so production targets and daily schedules keep moving.



CONVENTIONAL & DIGITAL

Conventional, Digital & Computed RT

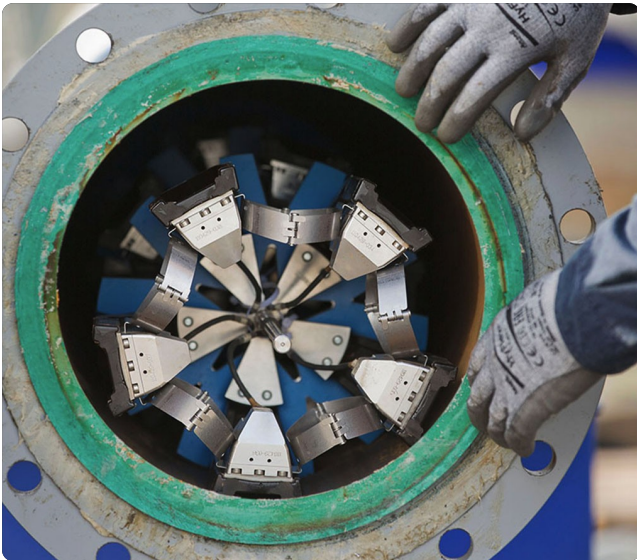
Mobile RT units, computed radiography and high-resolution film digitization give clients precise, easily archived records — to ASME Sec V and ISO 17636.

PIGGING & INTELLIGENT PIGGING



Keeping pipelines clean, clear and fit for service.

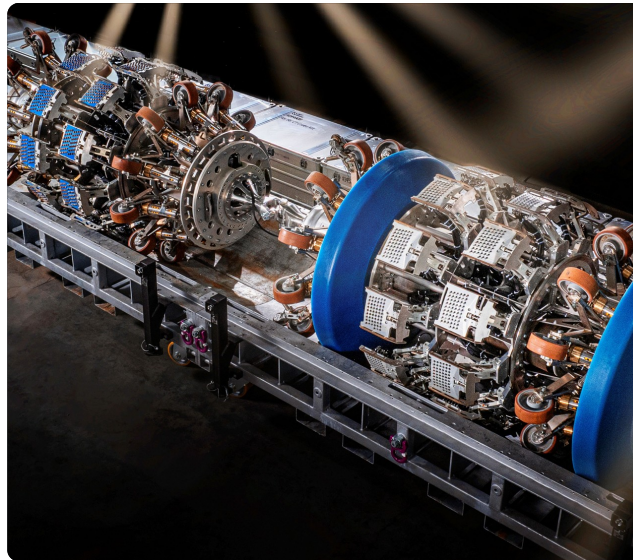
IXAR Africa pigs pipelines from pre-commissioning through to in-service integrity. Our crews and group specialists bring launchers, receivers and pig trains to site. They are backed by the same UT and MFL know-how we use on tanks and exchanger tubes, so every run ends in a clear picture of the pipe wall.



LAUNCHING & PRE-COMMISSIONING

Cleaning, Gauging & Dewatering

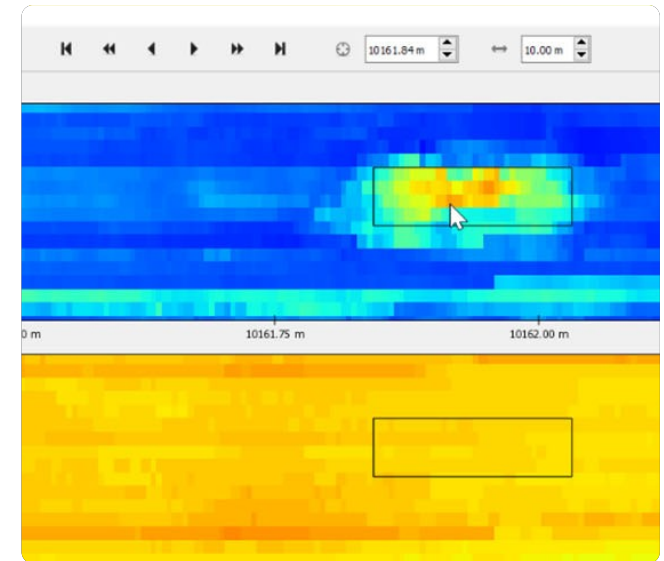
Pigs are loaded, launched and received at the traps. Cleaning and gauging runs remove construction debris and confirm bore, and dewatering and drying follow the hydrotest.



IN-LINE INSPECTION (ILI)

Intelligent Pigging

Smart pigs with MFL and UT technology map metal loss, corrosion, dents and ovality along the whole length of the line. We deliver the data as a report, with each feature located.



DATA & INTEGRITY

ILI Data & Field Verification

Features are reported on C-scan maps with depth, length and location. We then verify priority anomalies at the dig site with UT, PAUT and radiography, feeding a repair plan to ASME and API.

Cleaning pigs

Gauging & calliper

Dewatering & drying

MFL & UT in-line inspection

Wall condition mapping

Dig-site verification

TANK INSPECTION



Every plate of the tank, floor to roof.

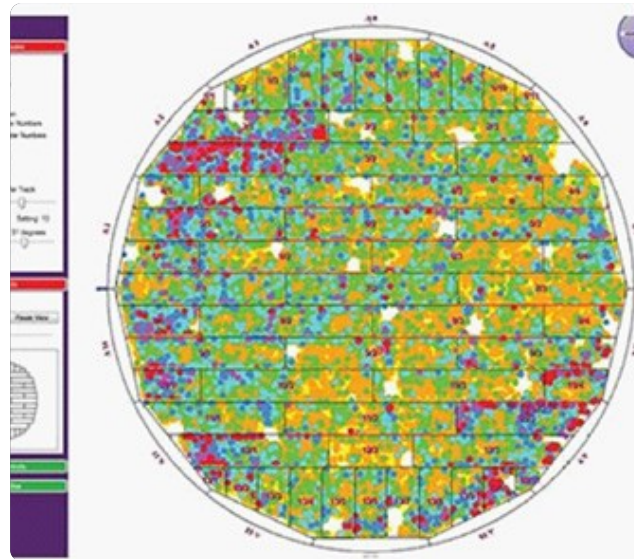
Our tank integrity work covers floor plate scanning for under-side corrosion, shell and roof thickness surveys, and weld inspection on repairs and alterations. We use the Silverwing 3D Floor Map, which combines MFL and STARS technology, and report the numbers in a form that goes straight into your integrity assessment. That work is planned to fit your shutdown window.



OUT-OF-SERVICE INSPECTION

Floor Scanning — MFL & STARS

MFL saturates the floor plate and Hall-effect sensors pick up the flux leaking from corrosion. STARS then tells top-side from bottom-side loss, and UT confirms the remaining wall.



REPORTING

3D Floor Map & Corrosion Report

Top-side, bottom-side and complete plate views show where the floor is thinning and where leak paths are forming, ready for repair planning and fitness-for-service review.



SHELL, ROOF & WELDS

Shell, Roof & Weld Inspection

UT thickness surveys on shell courses and roof, plus TOFD, PAUT, RT, MPI and DP on shell welds, repairs and shell-to-bottom joints, as delivered for CPECC at Tilenga.

Tank floor MFL

STARS top/bottom discrimination

Corrosion mapping

Shell & roof UT

Weld RT / MPI / DP

Film digitization

PRESSURE VESSEL INSPECTION



Vessels, spheres and exchangers kept safe and in service.

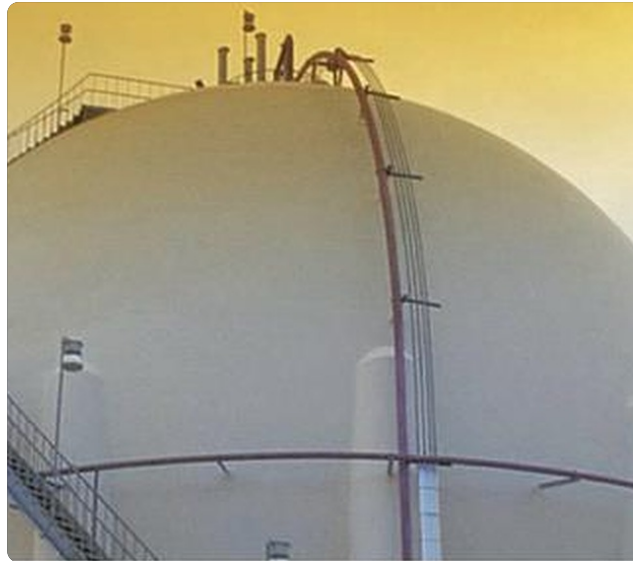
Pressure vessels, LPG spheres, columns, boilers and heat exchangers get a mix of volumetric, surface and tube inspection. We cover new fabrication QC and in-service turnarounds alike, with Level II and III technicians reporting to ASME, API or the client's standard.



INTERNAL & WELD INSPECTION

Internal Inspection, PAUT & TOFD

Confined-space internal inspection of vessels and columns, with encoded PAUT and TOFD on long seams, circumferential seams and nozzle welds, plus RT where the code calls for it.



SPHERES & COLUMNS

Surface Crack Detection & Hardness

Wet fluorescent MPI, DP, hardness testing and visual inspection find stress-corrosion and fatigue cracking at nozzles, attachments and support legs.



HEAT EXCHANGERS & BOILERS

Tube Inspection — MFL & ECT

MFL and eddy current probes inspect every tube for wall loss, pitting, grooving and circumferential cracks. Results come back as a tube-sheet map to guide plugging and retubing.

ASME Sec V & VIII

PAUT / TOFD

Corrosion mapping

Wet fluorescent MPI

MFL & ECT tubes

Hardness & PMI support

ULTRASONIC & ADVANCED ULTRASONIC TESTING



From manual thickness checks to fully encoded weld data.

High-frequency, directional sound waves let our Level II and Level III technicians measure thickness, find hidden internal flaws and characterise metals, composites and more. Since September 2026 we have been running UT thickness monitoring for EACOP, and for CCJV on the Kingfisher Oil Field we delivered PAUT with purpose-made calibration and validation blocks.



PIPELINE GIRTH WELDS

Automated Ultrasonic Testing (AUT)

The industry-standard method for girth-weld inspection, with computerised data management, faster cycle times, accurate detection and no radiation hazard.



FLAW DETECTION & SIZING

PAUT & TOFD

Electronically steered, focused phased-array beams for weld testing and plant monitoring, paired with TOFD for highly accurate defect height, length and position.



QUICK & COST-EFFECTIVE

Manual Ultrasonic Testing

Flaw detection, dimensional measurement and material characterisation with proven flaw detectors — fast, non-intrusive and reliable on site.

SURFACE METHODS & DESTRUCTIVE TESTING



The complete picture — on site and in the lab.

Surface methods catch the defects that volumetric methods can miss, while our group laboratory supports procedure and welder qualification with mechanical, corrosion, coating and chemical testing to ASTM, BS, IS, DIN, NACE or client standards.



SURFACE & NEAR-SURFACE

Magnetic Particle Testing

Fast, easy to apply and less sensitive to surface preparation — on site or in-house. Liquid penetrant (visible and fluorescent) covers non-magnetic and non-porous materials.



QUALIFICATION SUPPORT

Destructive Testing & Lab

Tensile, bend, hardness and impact testing (to -60 °C), intergranular corrosion, coating tests, chemical analysis and failure analysis — as delivered for Essar's procedure qualification.



PLANT INTEGRITY

Visual, Leak & Specialist Testing

Visual inspection, helium leak testing, wire rope testing, eddy current, MFL tube and tank-floor inspection, plus stress relieving — the full plant-integrity toolkit.

INDUSTRIES WE SERVE



BUILT AROUND EACH SECTOR'S ASSETS, STANDARDS AND SHUTDOWN WINDOWS

01

Oil & Gas

Pipelines, storage tanks, refineries and process plant — upstream, midstream and downstream.

02

Power & Geothermal

Boilers, turbines, heat exchangers and steam pipework in thermal, hydro, geothermal and renewable plant.

03

Mining

Structural steelwork, processing plant, pressure vessels and material-handling equipment.

04

Cement

Kilns, ducting and structural supports maintained within tight shutdown windows.

05

Breweries, Beverage & Food

Tanks, vessels, process pipework and hygienic welded systems.

06

Sugar & Distilleries

Boilers, evaporators, mill structures and steam lines inspected in off-crop maintenance.

07

Marine & Ports

Jetties, cranes, hulls, mooring structures and submerged assets.

08

Manufacturing & Engineering

Fabrication QC, weld inspection, structural steel and pressure equipment certification.

WHERE WE OPERATE



BASED IN THE REGION, NOT FLOWN IN

Registered offices in East Africa, projects completed in three countries.

Crews, equipment and sealed sources mobilise to site from within Africa. Wherever the next project is — from the Albertine Graben along the EACOP route to the coast of Mombasa — IXAR Africa can mobilise on request across the continent.

19

projects in Uganda

4

projects in Tanzania

4

projects in Kenya

• REGIONAL OFFICE

Kampala, Uganda

Plot 72, Kanjokya Street, Kamwokya.
Projects in Buliisa, Hoima, Jinja, Namanve and Luwero.

• OFFICE

Dar es Salaam, Tanzania

Serving onshore and offshore installations across Tanzania.

• OFFICE

Mozambique

Supporting energy and industrial clients in southern East Africa.

• PROJECTS COMPLETED

Mombasa, Kenya

Marine, fabrication and mooring-boat inspection for SECO and Hull Marine.

IXAR GROUP INTERNATIONAL PRESENCE

India · Uganda · Tanzania · Mozambique · Nigeria · Netherlands · UAE · Oman · Saudi Arabia

Group specialists, equipment and written practices are available to African projects whenever the scope requires it.

FLAGSHIP PROJECTS & CLIENTS



ONGOING

Sinopec
USD 1.54M · 2025–2027

Conventional NDT — Tilenga Project
Buliisa, Uganda. Plus 8" & 10" crawler and external X-ray at the Tilenga site (2024–2025, extended 2025).

ONGOING

EACOP
USD 72K · from Sep 2026

UT Thickness Monitoring
East African Crude Oil Pipeline, Uganda – Tanzania.

ONGOING

CPECC
USD 110K · 2024–2026

Tank NDT & Film Digitization
RT, MPI and DP on storage tanks with film digitization. Tilenga Oil Field, Hoima, Uganda.

ONGOING

CCJV
USD 122K · 2024–2026

Phased Array UT — Kingfisher
Kingfisher Oil Field, Hoima, Uganda. PAUT, extension and calibration & validation blocks.

TRUSTED BY

Operators, EPC contractors and plant owners across the region.

- EACOPSinopecCPECCCCJVPRAJ ProjectsIllovo DistillersTotalEnergiesEssar InfrastructureKakira Sugar
- Nile BreweriesAfrishell – JeveekaSouthern Engineering Co. (SECO)Inspecta AfricaHull MarineNtake Bakery
- Weldcon UgandaAG PRO IndustriesUni Engineering

28

projects on record across Uganda, Tanzania & Kenya

USD 2.0M+

combined contract value, completed and ongoing

6

active contracts and extensions in 2025–2027

3

flagship energy projects: EACOP, Tilenga & Kingfisher

55+ YEARS OF NDT HERITAGE



Late Shri V. S. Jain

Founder · 1940 – 2003

- **1969**
Founded in Mumbai as Industrial X-Ray & Allied Radiographers, starting in radiography.
- **1986**
Becomes a Private Limited Company and expands into the full range of NDT methods.
- **1996**
Honoured at the 14th World Conference on NDT for contributions to NDT and quality.
- **1999**
Destructive testing laboratory launched.
- **2003**
ISO 9001 certification achieved.
- **2012**
IXAR Africa established in East Africa.
- **Today**
1,000+ technicians, 12,000+ projects tested and a BARC-collaborative training institute.



14th WCNDT
New Delhi, 1996



NAARRI Award 1997
Shri R.G. Deshpande Memorial



NDT Achievement Award
ISNT, 2008



NAARRI Entrepreneur
of the Year, 2010

OUR PEOPLE & TRAINING



Experienced technicians

Our strength lies in our technicians. ASNT Level III personnel carry 7–25 years of experience, Level II personnel 5–10 years, and senior team members more than 25 years.

Safety first

BARC-qualified Radiation Safety Officers are assigned to all source handling, backed by ISO 45001 occupational health and safety systems and group awards for managing workplace risk.

Building local capability

The group's training institute runs ASNT Level I & II courses in RT, UT, MT, PT, ET and PAUT, and radiation-safety certification with BARC — expertise we bring to developing East African talent.



EXPERIENCE... OUR EXPERTISE.

REGIONAL OFFICE

Industrial X-Ray and Allied Radiographers (EA) Ltd

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Dar es Salaam, Tanzania
Mozambique
Group HQ: Mumbai, India

**Let's build safer,
more reliable operations.**

www.ixar.africa · www.ixar.in
Parent: Industrial X-Ray & Allied Radiographers (I) Pvt. Ltd., Mumbai