
Your Partner in
Green Transformation
From Data to Disclosure
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Tti Sustainability Center
A PROJECT OF TTI TESTING LABORATORIES

OUR LEGACY OF TRUST AND TECHNICAL EXCELLENCE

"Founded by Hameed K. Lateef, Tti Testing Laboratories is Pakistan's largest and most trusted ISO/IEC 17025:2017-accredited testing laboratory and ISO/IEC 17020 inspection body, delivering nearly three decades of excellence in Testing, Inspection, and Certi cation (TIC).

Recognized globally by US CPSC, ZDHC, EPA, OGRA, PSQCA, The Micro bre Consortium, and OCA, Tti supports brands, retailers, exporters, and supply chains worldwide in achieving quality, safety, and sustainability compliance.
With advanced facilities in Textiles, Leather, Footwear, Chemicals, Food, Pharmaceuticals, Environment, and Microbiology, Tti provides data-driven assurance, sustainability, and inspection solutions — combining innovation with integrity for a compliant and regenerative future.

Operating under the umbrella of Tti, the Tti Sustainability Center is a dedicated division focused on advancing sustainability through global regulations, environmental compliance, and corporate responsibility. It enables organizations to integrate sustainability into business operations through data-driven insights, credible reporting, and alignment with global frameworks & regulations such as ISO 14064 (GHG Accounting & Veri cation), GRI Standards (Sustainability Reporting), CSRD (Corporate Sustainability Reporting Directive), IFRS S1/S2 (Sustainability and Climate-Related Disclosures), the EU Green Claims Directive and Consumer Empowerment Directive (on substantiating environmental claims), the U.S. Federal Trade Commission's Green Guides (for environmental marketing claims), ZDHC Standards (Zero Discharge of Hazardous Chemicals), the UN SDGs (Sustainable Development Goals), and the Paris Agreement (Net Zero Pathway Alignment).

Pakistan's Most Advanced

TESTING & REPORTING INFRASTRUCTURE

ISO/IEC 17025 ACCREDITED TESTING LAB

ISO/IEC 17020 ACCREDITED INSPECTION BODY

ZDHC APPROVED WASTEWATER LAB

TESTING | INSPECTION | CERTIFICATION

COMPLIANCE | SUSTAINABILITY

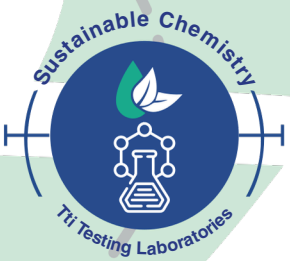
OUR SUSTAINABILITY SOLUTIONS



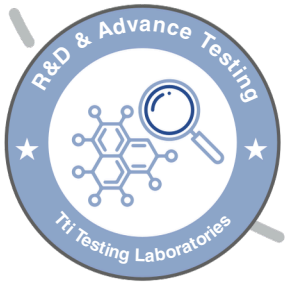
















Tti Sustainability Center offers a comprehensive range of end-to-end sustainability solutions
from emission quanti cation and circular material testing to ESG reporting and regulatory compliance.

Each theme represents a strategic pathway to achieving sustainability excellence.

Climate & Emission Services



Weprovide GHG emissions inventories (Scope 1, 2 & 3), Net Zero strategies and carbon credit roadmaps, and Science-Based Target (SBTi FLAG & Non-FLAG) development under ISO 14064 guidelines. Our team also develops customized data sets and Excel-based dashboards to help organizations monitor, analyze, and visualize their carbon performance in real time. These services help businesses quantify, verify, and reduce emissions, build credible decarbonization pathways, and align with the Paris Agreement and UNFCCC Article 6 mechanisms.



Establish measurable baselines and pathways to Net Zero — a critical step toward climate leadership and compliance readiness.

Circular Economy & Product Sustainability



Wehelp organizations shift from a take-make-waste approach to aregenerative model, where materials are reused, recovered, and given new life. Our services cover waste recovery and recycling assessments, product durability and material testing, and Life Cycle Assessment (LCA) aligned with the EU Green Claims Directive and Circular Economy Action Plan. By promoting smarter design, resource ef ciency, and responsible production, we enable businesses to reduce waste, cut costs, and move con dently toward a truly circular and sustainable future.

Demonstrate recyclability and product circularity — a key requirement for global exports and environmental labeling.

ESG Sustainability Reporting & Disclosure



Wehelp organizationsalign their sustainability reporting withGRI,CSRD, IFRS S1/S2, and ESRS standards through Materiality Assessments, Stakeholder Mapping, Double Materiality Analysis, and Risk Assessments. Our assurance-ready approach ensures veri able and consistent ESG data for investors, regulators, and customers. We also provide comprehensive support for ESRS-aligned reporting, helping businesses identify key sustainability risks, disclose performance transparently, and strengthen trust through clear, data-driven communication.



Build transparency, meet disclosure mandates, and strengthen investor con dence through standardized ESG communication.

Sustainable Supply Chains & Governance

Wehelp organizations build transparent, ethical,and resilient supply chains through supplier mapping,Suppliernetwork mapping (Tier 1–Tier 3 visibility),Country and sector-based risk assessments,Material and process traceabilityevaluations, Training & Capacity Building for Suppliers, chemical management audits, and sustainability training.
Reduced non-compliance risk, sustainable material usage, and readiness for EU Digital ProductPassport(DPP) requirements.

Empowered suppliers capable of meeting international brand requirements and demonstrating continuous improvement.

Sustainable Chemistry & Safer Materials

AtTtiTesting Laboratories, we make yourproductsglobally compliant through comprehensive chemical testing aligned with leading frameworks such as Reach , AFIRM, OEKO-TEX, GOTS, ZDHC, CPSC, Prop 65, POPs regulations. Our Laboratory analyze dyes, coatings, plastics, and textiles for restricted substances including heavy metals, APEOs, PFAS, phthalates, and VOCs, ensuring safety and sustainability across your supply chain.
We also offer advanced PFAS and Total Organic Fluorine (TOF) testing using LC–MS/MS and CIC techniques, detecting both targeted and hidden uorinated compounds.
Compliant with ZDHC MRSL V3.1, we support formulators and chemical manufacturers in getting their products certi ed for safe use across Textiles, Leather, Polymers, and Synthetics —enabling a cleaner and compliant supply chain.

Stay compliant, reduce liability, and enhance product trust through veri ed chemical transparency.

ZDHC & Water Testing Scope

Tti'sZDHC-accredited labs conductWastewaterTesting Ef uent & Sludge Analysis, Microplastic & PFAS Detection, Zero Liquid Discharge Veri cation, and ETP/CETP Performance Testing.
These services support the ZDHC Roadmap-to-Zero, ensuring responsible water reuse, recycling, and traceability.

Meet brand requirements, maintain ZDHC Gateway credibility, and achieve water stewardship excellence.

Sustainable Agriculture & Textile Inputs

Ourservices include GMO,Soil CarbonCheck, PesticideResidueTesting, and Microbial Soil Quality Audits.
These tests ensure traceable, sustainable, and regenerative sourcing, aligned with EU & other global Organic Regulations.

Build brand integrity through veri ed organic supply chains and soil health transparency.

Industrial & Environmental Services

Comprehensive monitoring solutions include AirQuality(Ambient, Stack, Indoor), Waste & Sludge Testing, Occupational Health & Safety Audits, and EIA/NOC Support.
These services maintain industrial compliance under Pakistan EPA regulations and help achieve sustainable manufacturing certi cations.

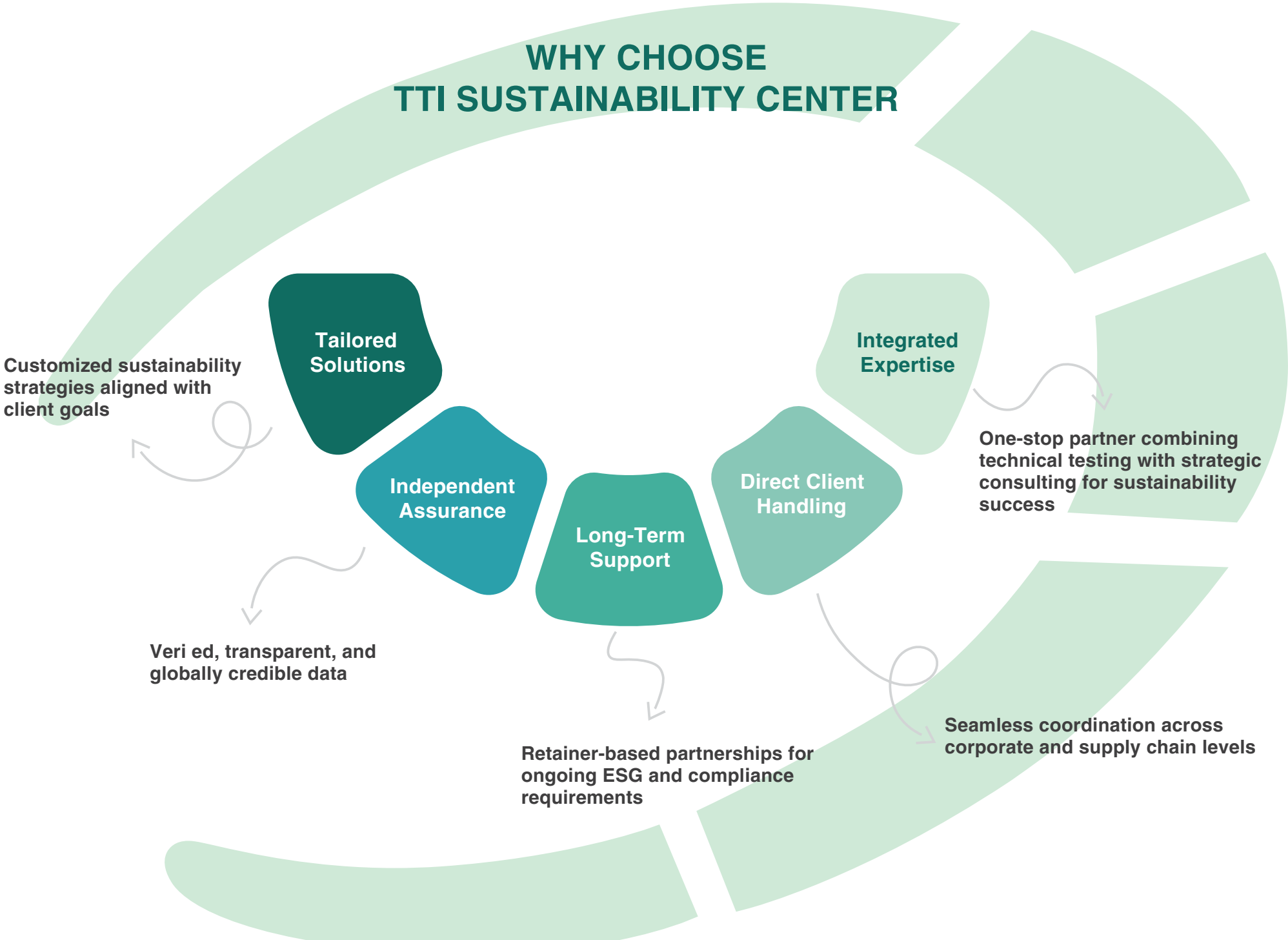
Ensure factory compliance, safeguard worker health, and meet national environmental standards.

R&D and Advanced Analytical Testing

Ourstate-of-the-art labsoffer Product & MaterialDurability, Advanced Polymer & Textile Testing, Microbiological & Chemical R&D, and Accelerated Ageing & UV Resistance Studies.
Aligned with ISO/IEC 17025 and ASTM/ISO standards, these services support innovation, circular product design, and eco-material veri cation.

Build transparency, meet disclosure mandates, and strengthen investor con dence through standardized ESG communication.

WHY CHOOSE
TTI SUSTAINABILITY CENTER



Tti Testing Laboratories

30 YEARS OF EXCELLENCE IN QUALITY ASSURANCE

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