

- ❖ WATER, WASTE WATER & SOLID WASTE
- ❖ STORM WATER & RAINWATER HARVESTING
- ❖ INFRASTRUCTURE URBAN TOWNSHIP (MEP)
- ❖ GIS SERVICES & TOPOGRAPHIC SURVEY
- ❖ CONSTRUCTION MANAGEMENT (PMC)



Innovative Engineering | Sustainable Solutions | Delivering Excellence

About Tryxia Engineers Pvt Ltd

Tryxia Engineers Pvt Ltd is a Pune-based engineering consultancy specialising in integrated water, waste and infrastructure solutions. We provide end-to-end support from planning and design to monitoring and third-party evaluation for government, public sector and private/industrial clients.

Our multi-disciplinary expertise spans:

- Water supply and distribution systems
- Wastewater and sewerage systems
- Stormwater drainage and flood management
- Rainwater harvesting and groundwater recharge
- Solid waste management (collection, processing, disposal)
- MEP (Mechanical, Electrical, Plumbing) for buildings and industrial facilities
- GIS-based planning and asset management
- Topographic and engineering surveys
- Project management, monitoring and third-party technical evaluation (TPE)

From our base in Pune, we work across urban local bodies, development authorities, industrial estates, townships and infrastructure developers throughout India.

Vision

Our vision is to be a leading provider of sustainable and innovative infrastructure services consultancy solutions that enable access to reliable and resilient infrastructure for all.

Mission

To deliver expert, sustainable, and cost-effective infrastructure consultancy solutions that exceed client expectations. We aim to foster resilient growth while protecting natural resources and building strong community partnerships, with a focus on water, wastewater, stormwater, rainwater harvesting, solid waste management, MEP, GIS, and survey-based services.

Our Services

1. Water Supply & Wastewater Engineering

- Master planning and network design for urban, rural and industrial water supply
- 24x7 and continuous water supply system design and optimisation
- Sewerage system planning, including gravity sewers, pumping mains and STPs
- Rehabilitation, augmentation and non-revenue water (NRW) reduction strategies
- Detailed Project Reports (DPRs), feasibility studies and tender documentation

2. Stormwater, Drainage & RWH

- Urban and regional stormwater drainage planning
- Flood analysis and mitigation measures
- Sustainable urban drainage systems (SuDS)
- Rainwater harvesting system design and groundwater recharge schemes

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3. Solid Waste Management (SWM)

- SWM master plans and DPRs for towns and cities
- Design of collection systems, transfer stations and transport routes
- Planning and design of processing, composting and material recovery facilities (MRFs)
- Landfill planning and closure/rehabilitation concepts

4. MEP & Utilities

- MEP systems for buildings, plants and townships linked to water and waste infrastructure
- Pumping stations, electrical systems, control panels and utility layouts
- Coordination of civil, mechanical, electrical and plumbing designs

5. GIS & Data Services

- Development of GIS databases for water, sewer, stormwater and SWM assets
- Spatial analysis for planning, network optimisation and decision support
- Thematic mapping for service coverage, zoning, routing and prioritisation
- Integration of survey data, remote sensing and existing records

6. Topographic Survey & Base Mapping

- Topographic and engineering surveys for pipelines, roads, plants and townships
- Contour mapping, profiles and cross-sections
- Survey data processing and CAD/GIS basemaps for design and approvals

7. Project Management, Monitoring & Third-Party Evaluation

- Project monitoring and quality oversight during construction
- Independent third-party technical evaluation (TPE) of designs and works
- Progress review, quality reporting and risk identification
- Support to clients in decision making, approvals and course-correction

Our Quality Commitment

Tryxia Engineers Pvt Ltd operates a Quality Management System aligned with ISO 9001:2015.

We:

- Apply robust engineering and scientific principles, use appropriate technologies, and follow recognised national and international standards in all our designs, GIS work, surveys, and evaluations.
- Emphasise data quality and traceable calculations.
- Use standard procedures for proposal and contract review, design and drawing control, survey planning, monitoring and third-party evaluation.

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Core Values

- **Integrity** – Honest, transparent and unbiased technical advice.
- **Technical Excellence** – Sound engineering, current standards and continuous learning.
- **Customer Focus** – Clear communication and commitment to client requirements and timelines.
- **Sustainability** – Solutions that conserve resources and protect the environment.
- **Accountability** – Ownership of quality, timeliness and reliability.
- **Collaboration** – Working effectively with clients, partners and stakeholders.
- **Learning & Improvement** – Using feedback to strengthen our systems and services.

Key Sectors We Serve

- Urban local bodies and municipal corporations
- State government departments and agencies
- Smart Cities, AMRUT, JJM, SBM and similar mission-mode projects
- Industrial estates, SEZs, IT parks and manufacturing facilities
- Private townships, residential and commercial developments
- EPC contractors and other consulting organisations

Why Choose Tryxia Engineers Pvt Ltd

- Specialised focus on water, waste, MEP, GIS and survey within infrastructure, rather than general consultancy.
- Lean, experienced team ensuring direct senior involvement in every project.
- Integrated approach linking design, GIS data, survey and monitoring for practical, whole-life solutions.
- Commitment to schedules and responsiveness to client requirements and mission timelines.
- Continuous improvement backed by documented procedures and ISO 9001:2015 aligned practices.

Contact

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