

- ❖ 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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