



*We utilize every drop of water in a proper way*

## About us

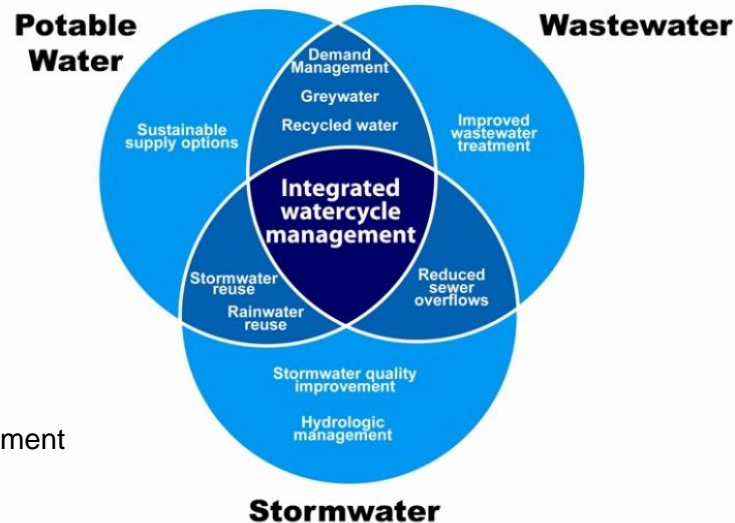
Deep Infra consultants is one of the developing and multidisciplinary consultants. We provide various kinds of services in planning and designing of Water/Waste water, Sewage, Storm water drainage, Canal Network and Irrigation, Urban Infrastructure development and GIS work for various national and international infrastructure development project. The company was established in June 2018 and registered in August 2018. Our aim is to direct the client to save and optimum utilization of water to make right use of technology and make the solution best suited to the client's need.

## Vision

Effective management and engineering solution for optimal implementation of most precious natural resources "Water"

## Core Services

- Water
- Wastewater
- Sewer
- Storm water drainage
- Urban Infrastructure
- Irrigation
- GIS
- Canal Network
- Rainwater Harvesting
- Water Resources Management



## Leadership Team



**Mr. Dipen Shah** has more than 15+ years of experience and has completed number of National & International consultancy assignments in Water, Wastewater, Sewage, Storm water drainage, Canal Distribution and rain water harvesting projects. He has completed his Master of Civil Engineering (Water Resource Management) and Bachelor of Civil Engineering (Irrigation and water management). He has presented many papers in International and national conference and his technical paper published in many generals in IWWA, EWRI-ASCE and many more. He is an active member in various society, i.e. ASCE-EWRI, IAHS, ISG, AHI etc.



**Mr. Chetan Mahadik** having more than 10+ years of experience in the field of Geographic Information System (GIS). Expertise in GIS based survey, GIS database generation, consultancy for usage and implementation of GIS, GIS Software Customization using Open Source and Proprietary Technologies. He has completed his master in MSc. Geoinformatics and BSc. Geography. He is expert in sectors like Smart city, water Network, Web GIS, Consultancy for GIS infrastructure and 3D GIS for road planning and urban infrastructure management.

## How we works

Our methodology focuses on ensuring that projects are properly designed before implementation begins, so that the end project minimizes risk and maximizing the value of technology solutions.



### LISTEN –

- Our primary focus is to listen to the client's needs, wants, and desires to truly understand what the client is looking for in a solution.
- Understand the client's overall vision

### ANALYZE –

- Review and document in more detail, the processes and existing technology that will be impacted in the future design.
- Understand any and all gaps between what is currently in use versus the desired functionality of the design.

### DESIGN –

- Set a holistic design for the solution in the project needs and existing and future requirements.
- Prioritize based on a three step category ( Critical, Important and Optional)

### PLAN –

- Work plan for smaller and more technically detailed steps.
- Resource planning, Mapping and Scheduling.

### EXECUTE –

- Utilize standards to implement solutions according to Best practice.
- Utilize change control and contingency planning to ensure a smooth running of the project.

### TRANSITION –

- Create method of procedure for maintaining the solution.
- Transition ongoing support responsibilities to internal staff or 3<sup>rd</sup> party provider.

### SUPPORT –

- Create method of procedure for maintaining the solution.
- Transition ongoing support responsibilities to internal staff or 3<sup>rd</sup> party provider.

## We believe in 4D rules of design

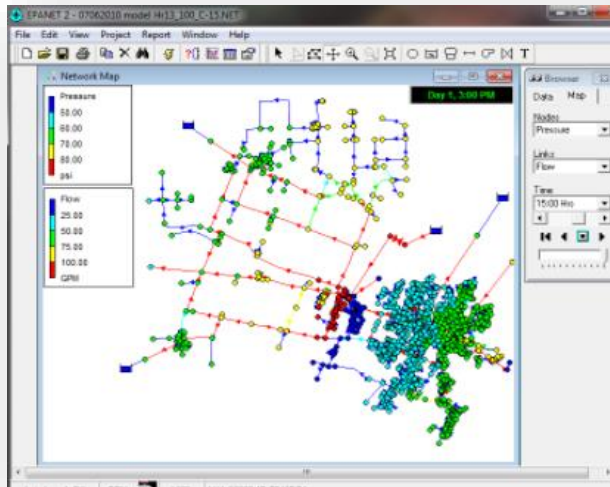




## Water & Environment / Utilities services

Availability of dependable and affordable water is a nonnegotiable condition for any infrastructure development. Wise water solutions are needed in the current context of competition for access to water. From design to reality, our expert provide a complete range of services to provide innovative and cost effective solutions in order to meet sustainable development issues and client's expectations in the field of water supply and other integrated infrastructure such as :

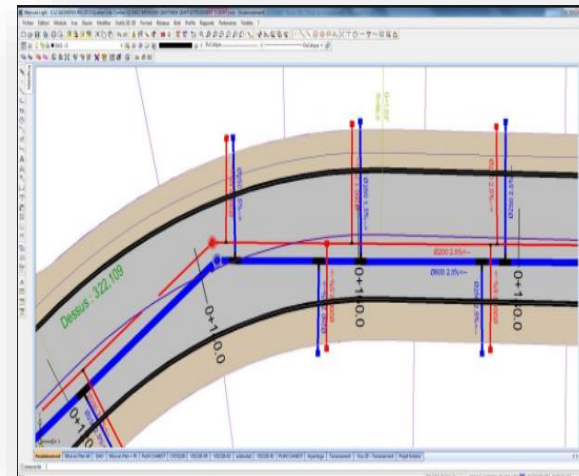
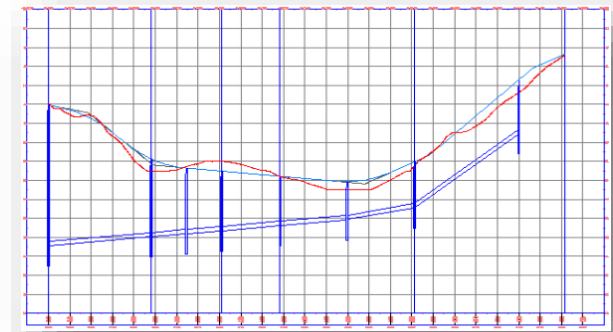
- Water supply system and treatment
- 24X7 Water supply system
- Urban Water supply
- Rural Water supply
- Industrial and Residential townships
- Integrated Infrastructure
- Hydraulic modeling and analysis.



## Sewage & Sanitation

Appropriate management of sewage and sanitation is of critical importance for sustained quality of life and environmental health. Effective sanitation and sewage management can have a positive impact on the economic productivity of the communities. We design master plans for sewage and water management of cities.

- Sewer Network and treatment
- Urban Sewage Network System
- Rural Sanitation System
- Industrial and Residential townships
- Integrated Infrastructure
- Recycle network system
- Hydraulic modeling and analysis.

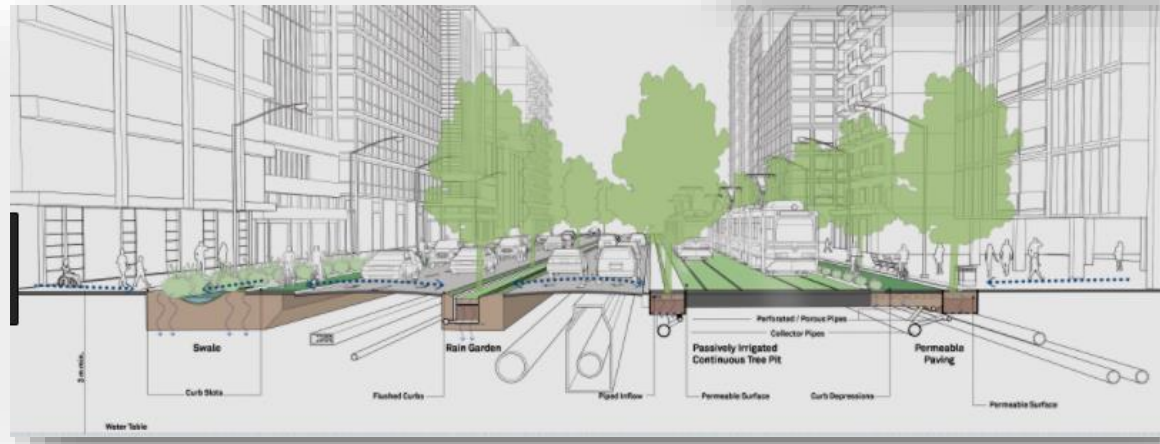
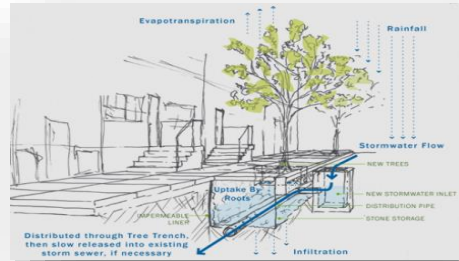




## Storm water Management

In the urban areas efficient storm water management is vital for ensuring proper functioning and designed life of roads and other infrastructure. It also contributes to environmentally sensitive planning and quality of life in the city areas. The storm water management for the cities cannot be effectively addressed with the piece meal approach. Integrated planning of storm water management based on the principles of urban watershed management helps in ensuring quality and life of infrastructure and overall quality of life. It also enhances the capability of a city to reduce the flood disaster risks caused due to high intensity rains. It requires an experienced team of hydrologists, engineers and environmentalists. We specialize in preparing the storm water management master plans, detailed engineering reports and implementation management.

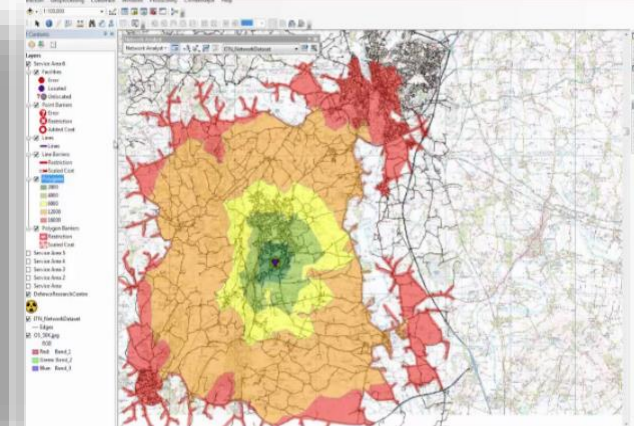
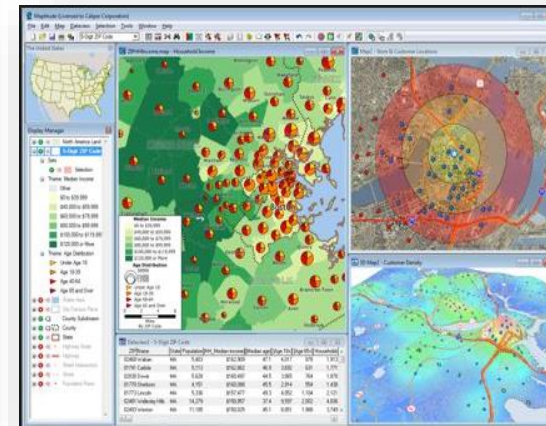
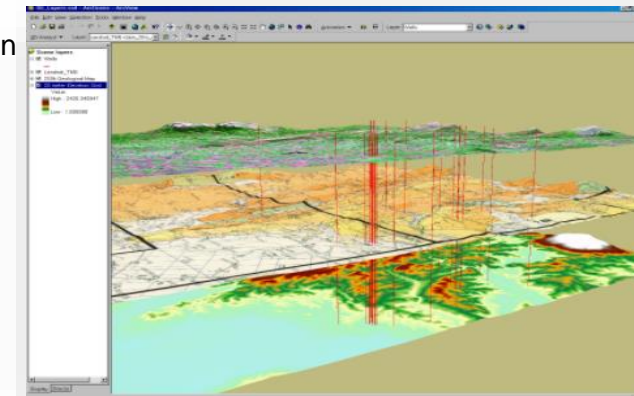
- Storm water Management
- Rain water harvesting
- Roof top rain water designing
- Watershed management
- Hydraulic modeling and analysis.



## GIS (Geographical Information System)

We provide various kinds of GIS mapping services and solutions. We endeavor to provide best-in-class GIS services to companies requiring help in getting spatial information mapped and interpreted. GIS is a very effective tool for spatial design programs like generating base maps/ catchment area map, land information system, urban planning, network planning etc. It includes various kinds of work like:

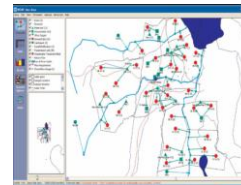
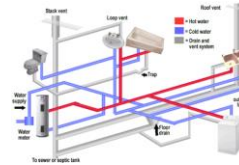
- Ground survey i.e. DGPS & Total Station
- Satellite image processing work
- 3D Digital Terrain Modelling
- Land use classification
- Field data collection and GIS database



## Past Project Experiences of the team under various Organization.

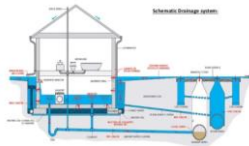
### Water supply

- Preparation of Detailed Project Report (DPR) including survey, design, estimate and tendering for water supply Project of Haripar, Bedi, Ghanteshwar, Kothariya and Munjka under Rajkot Urban Development Authority (RUDA)
- Upgradation of Existing water supply system of Gandhinagar town under GWSSB
- Preparation of Project Report (DPR & Master plan) including survey, design, estimate and tendering for water supply Project of various town i.e. Bhayli, Sevasi, Undera, Ankodiya, Khanpur, Koyali, Bjava, Sikandarpura, sayajipura, Hanmanpura, Khatamba etc. town under Vadodara Urban Development Authority (VUDA)
- Preparation of detailed project report ( DPR) including Survey, design, estimate and tendering of 24 X7 water supply project of Biharsharif, Rajgir, Navada, Shaikhpura and Jehanabad town under Bihar Urban infrastructure development corporation (BUIDco), Bihar.
- Upgradation of existing water supply system of Vallabhipur town for 30 years under GUDM
- Preparation of DPR for Water Supply for various towns in Gujarat like Boriavi, Modasa, Kalol, Thasara, Borsad and Kheralu under UIDSSMT scheme.
- Preparation of Detailed Project Report (DPR) including survey, design, estimate and tendering for Anand water supply Project under GWSSB
- Preparation of Pre-construction information (PCI) and detailed design report (DDR) for water supply project of various location within U.K (Sussex, Kent, Hampshire and Isle of weight ) under Southern water utility services.



### Sewer and Drainage

- Preparation of Detailed Project Report (DPR) including survey, design, estimate and Tendering for underground drainage scheme of Haripar, Ghanteshwar, Kothariya and Munjka under Rajkot Urban Development Authority (RUDA)
- Preparation of Project Report (DPR & Master plan) including survey, design, estimate and Tendering for underground drainage project of various town i.e. Bhayli, Sevasi, Undera, Ankodiya, Khanpur, Koyali, Bjava, Sikandarpura, sayajipura, Hanmanpura, Khatamba etc. town under Vadodara Urban Development Authority (VUDA)
- Preparation of DPR for underground drainage for various towns in Gujarat like Kheralu, Ananad, Salaya, Chhaya, Petalad, Radhanpur, Boriavi, Balasinor, Chhota Udepur, Borsad and Deesa. Under UIDSSMT scheme.
- Preparation of Pre-construction information (PCI) and detailed design report (DDR) for sewerage project of various location within U.K ( Sussex, Kent, Hampshire and Isle of weight ) under Southern water utility services.



### Pre-bid engineering

- Pre-tender services for Detailed engineering for infrastructure works for 3.0 MTPA Steel plant at Chhattisgarh for NMDC.
- Pre- bid service for detailed engineering for infrastructure works for the development of an Activation area of Dholera SIR (phase-2) for 22.54 sq.km are under L&T India. Pvt. Ltd.





## Storm water drainage

- Detailed design and estimates of Storm water drainage system and require repair works for Adani Logistics (ICD) at Kishangarh-Rajasthan
- Detailed design and modelling of the Storm water drainage project (Surface and ground water) with different packages of GEC-DOHA Western area.
- Preparation of Pre-construction information (PCI) and detailed design report (DDR) for Storm water drainage project of various location within U.K (Sussex, Kent, Hampshire and Isle of weight) under Southern water utility services.

## Master planning

- Preparation of master planning, designing and block estimates of the Tourism infrastructure development plan (TIDP) for Maheshwar, Mandaleshwar Nalkheda and Mandsour under City manager's association Madhya Pradesh (CMAMP).
- Preparation of master planning, designing and block estimates of T.P 3 & 4 for Dholera SIR under DSIRDA.
- Preparation of master planning , land/site development, infra designing and estimates of Methodist sugar land hospital, Houston, U.S.A.

## Irrigation and Canal designing

- Design, estimates and detailed drawings of Drip and sprinkler irrigation system covering the different district of the entire state of Gujarat under GGRC scheme.
- Modelling and designing of Saurashtra and Kutch branch canal, including estimates, costing of other related structures under Sardar Sarovar Narmada Nigam Limited (SSNNL), Gujarat.



## Infrastructure designing ( Residential/Commercial/Industrial/Retails)

- Detailed Designing of Infrastructure services for Potable water, Drainage, Effluent treatment water, recycle water, storm water drainage, irrigation, electrical and road services for the Development of Activation area of Dholera SIR (Phase-2) for 22.54 sq.km are under L&T India Pvt. Ltd.
- Detailed designing of Infrastructure services for water, sewer, storm , irrigation, recycle water, package STP, electrical, treatment and road work for event zone of Gujarat International finance tec. City ( GIFT).
- Detailed designing of infrastructure services for road network, water, sewage and treatment, electrical, storm water drainage and rain water harvesting solid waste management and irrigation for approx.50 acre mixed use development at Mindspace, Juinagar , navi Mumbai under K Raheja corporation.
- Infrastructure designing of a Simhashta mela masterplan for Omkareshwar town under City manager's Association Madhya Pradesh (CMAMP).
- Detailed designing of Infrastructure services of 140 acre residential township for Lodha group, Anjur upper thane, Mumbai.
- Detailed designing of MEP and Infrastructure services of the various Shell Petrol station of Karnataka and Tamilnadu state.

## GIS and Survey works

- Water network modelling and automating complex Water solutions for Yorkshire Water Works in ArcGIS Desktop using Python scripting for MWH Global design services.
- Road Network for Road Asset Management System (RAMS) and development of a WebGIS system to integrate with Pavement Management System (PMS) to utilize the data for prediction analysis and decision support system for Pune smart city development corporation ltd. (PSCDSL).



## Completed / Ongoing projects

- Preparation of Detailed Project Report (DPR) including survey, design, estimate and tendering for water supply Project of Mandvi Town, Kachchh (Approx. area 1575 Sq.km) under Mandvi Nagarpalika.
- Water supply Master Plan for the Marathwada Region (Approx. 64000 Sq. Km area covering eight districts) of the state of Maharashtra between India and Israel collaboration. ( Mekorot and MJP Collaboration). Prepare a comprehensive water supply master plan, covering all types of water resources and demand categories (potable and urban, livestock and agriculture), in order to help achieve sustainable long-term water balance and minimise water shortage crises.
- Detailed designing and Modelling of Storm water and Drainage project under Bhavnagar Corporation including survey, detailed designing and estimation.( Approx. length 28 km)
- Working on Pune Municipal Corporation 24 x 7 Water Supply Project ( Approx. 70 Sq.km area ) under Jain Irrigation including Survey and designing of 4 wards in Pune, Maharashtra.
- Detailed designing and Drawings of 25 MLD Water Treatment Plant ( WTP) for Godhajar, Dahod , Gujarat. under Kevadiya Construction Pvt. Ltd.-Completed.
- Detailed designing and Drawings of Sewage treatment Plant (SBR) Technology of Jamnagar GIDC area under MARS planning and engineering services Pvt.Ltd.- Completed
- Infrastructure services for JSW Mini Township (15.5 acre) including Water supply, Drainage, Storm water Drainage, Recycle water and Road crust details with co-ordinate and develop clash free services for residential mini township of the JSW master plan, Vashind under Grune Designs.
- Detailed design and estimate of Storm water network for approx. 223 acre area in phase wise development for Shrimad Rajchandra Ashram- Dharmpur, Gujarat.
- Detailed design and estimates of 40 MLD Intake well for Gaurihankar lake in Bhavanagar city for Water supply requirement - ongoing
- Preparation of Detailed Project Report (DPR) including survey, design, estimate and tendering for water supply Project of Gujarat ( Approx. 97 villages of Kheda and Banaskantha districts) under JJM ( JAL JEEVAN MISSION)- Ongoing
- Hydrology Expert services for Authority's engineer for construction of access controlled Nagpur - Mumbai super communication expressway (Maharashtra Samruddhi Mahamarg)in the state of Maharashtra on Epc mode for package - 16, from km. 664.479 to km. 701.362 (Village Birwadi to Village Amne) – Ongoing
- Preparation of hydraulic calculation of pipeline rising mains and distribution network upto household in village , Raw water rising mains, Clear water preparation of L-section, Pump head calculation, mark location of sluice valves, air valves, scouring valves, isolation valves, chambers, junction points, final terminal points, Height of ESR/Sumps, PL of WTP, intake well and related drawings for above work at Nagawan & Tenduahi Project Distt: Sonbhadra (UP).- Ongoing
- Preparation of hydraulic calculation of pipeline rising mains and distribution network upto household in village , Raw water rising mains, Clear water preparation of L-section, Pump head calculation, mark location of sluice valves, air valves, scouring valves, isolation valves, chambers, junction points, final terminal points, Height of ESR/Sumps, PL of WTP, intake well and related drawings for above work at Belahi Project Distt: Sonbhadra (UP).- Ongoing





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