



Radikale Engineering Pvt Ltd

Phone: +91-9925512973 | Email: business@re-pl.com | www.re-pl.com

103 KunjKutir, Near Manjit Nagar, Near Tulsidham char rasta, Manjalpur, Vadodara 390011.



Radikale Engineering Pvt Ltd

Introduction...

An ISO-9001 and 14001 company, Radikale Engineering Private Limited (formerly known as Radical Engineering) is a professional engineering firm which deals in providing smart solutions in the fields of Environmental Engineering and Building Services. Our portfolio of business encompasses water, waste water, solid waste, MEP and a range of infrastructure projects. We provide a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients' projects. Meeting our clients' standards and quality expectation is our top priority and we believe in a highly communicative life-cycle for each project. Our commitment to safety is ingrained in our culture and at the forefront of every project.

Our vision...

Radikale Engineering Private Limited is dedicated to operate on core technical excellence, high standards of workmanship, best quality, commercial awareness, proactive communication & project safety.

It is the intention of the company to become a leading Engineering Company, by providing clients with expertise, value addition, and the latest technology with the help of a blend of seasoned experts and young talent, which is essential when engineering for the future.

Our mission...

Radikale Engineering Private Limited is dedicated to provide clients with professional and highest quality services. We promote the open exchange of ideas and views; and we value professionalism, accountability, consideration, honesty and mutual respect.

Our approach...

- ✓ We place priority in delivering projects on time and within budget.
- ✓ We assign small, dedicated and customer focused teams with skills matched to the project requirements.
- ✓ We employ a flexible approach that can be adapted to each client's specific needs.
- ✓ We are outcome driven.



Radikale Engineering Pvt Ltd

What We Do...

❖ **Environmental Services:**

The job of managing environmental challenges is more demanding than ever. Our team has the capacity to manage environmental protection and conservation regulations, and the economic implications of these requirements for our clients. We have in house Laboratory facility where in we do analysis of all the basic parameters of water and waste water.

Related Services:

- Environmental Management Plan
- Environmental Studies
- Water quality Assessment
- Treatability Studies
- Laboratory analysis (List attached separately)
- Operation and Maintenance of treatment plants and other infrastructure

❖ **Engineering and Design:**

Engineering and design is the chief focus of the firm and our foundation. RE has the expertise to design and engineer your project to provide you with innovative and cost-effective solutions.

We provide one stop solution to all your engineering requirements for projects related to potable water, waste water and solid waste.

Related Services:

- Process Design
- E,M,I Design
- Structural Design
- Interface management
- Utility Network Design

❖ **Project Planning and Management Consultancy:**

Our team's extensive experience of implementing various environmental utilities' projects has created the expertise to understand the various environmental issues faced by the client; develop a techno economical solution and create a comprehensive implementation plan for the project.

Large scale projects can be a monumental task when trying to manage all aspects simultaneously while meeting deadlines and maintaining budgets. RE understands your requirement and assists in taking your infra program or complex project from vision to completion.



Radikale Engineering Pvt Ltd

Our team is highly receptive, flexible and experienced in managing the projects. They understand and will meet your budget and cost requirements.

Related Services:

- Project Feasibility Report
- Detailed Project Report
- Constructability Reviews
- On-site Resident Engineers
- Project Cost Estimating
- Construction Scheduling and Expediting
- Contract Administration
- Claim Evaluation
- Value Engineering

The company has vast pool of Technocrats, Design Professional, Drafting Experts, Project Leaders and Associate Experts to handle variety of projects and related services to deliver all round solutions to clients.

❖ **Project Execution and Operation & Maintenance:**

With increase in the capability of the company, Radical engineering has evolved in EPC agency for the client; providing them quality and innovative solution to their problems

Related Services:

- Water Treatment Plant
- Effluent Treatment Plant
- UF-RO system
- Solid waste treatment
- Landfilling
- Waste to energy
- Waste recycling and Zero Liquid Discharge

Markets (Segments) We Serve...

❖ MUNICIPAL:

- Intake wells
- Water treatment plant
- Water distribution network
- Sewage collection system
- Sewage treatment plant
- Sewage Recycling and reuse
- Storm water management
- Solid waste Collection system
- Solid waste treatment facilities
- Sanitary Landfills



Radikale Engineering Pvt Ltd

❖ INDUSTRIAL:

- Effluent treatment plant
- Zero liquid discharge
- Desalination plant
- Hazardous waste management

❖ INFRASTRUCTURE:

- M.E.P (Mechanical, Electrical, Plumbing services)
- Fire-fighting system
- Low cost sanitation
- Pond rehabilitation
- Rain water harvesting

❖ OPERATION AND MAINTENANCE

- Treatment plants-ETP, STP and WTP
- Infrastructure services-networks, Pumping stations, Intake structures

With core competencies spanning many disciplines, our expertise in technology, engineering, assessment and analysis has equipped us to serve clients in a broad range of verticals.



Radikale Engineering Pvt Ltd

Major Projects so far....

International projects:

Sr. No.		Status
1.	DPR preparation for 130MLD and 10MLD Water Treatment Plant with AVF technology at Rwanda, Africa	Completed
2.	Detailed engineering including Civil and Electro mechanical works of 10 MLD WTP at Cameroon along with Surge Analysis of Transmission line of 120 km.	Completed
3.	Design and engineering of ETP of Distillery plant at Uganda; 350 m ³ /day	Completed
4.	Solid waste management Master plan for GAMA, Ghana	Completed

Water projects:

Sr. No.	Description	Status
1.	Process design and engineering management of 160 MLD Water Treatment Plant at Dhanasar, Rajasthan	Completed
2.	Process checking and commissioning supervision of WTP at Ford India, Sanand, Ahmedabad	Completed
3.	Engineering of 10MLD WTP for Vikram Udyogpuri, Ujjain	Completed
4.	Design & Engineering of Lift Irrigation works including Piping and Pumping at Ta. SatlasnaDist: Mehsana. This works includes 5100m ³ /hr Pumps-3nos, 66kv substation and 10 KM MS pipeline. End Client: Gujarat Water Resource Devp. Corp	Completed
5.	Design & Engineering of Underground clear water reservoir (13.70 lac Liter) with Pumping station at Dediapada, Gujarat	Completed
6.	Design and Engineering of the intake and pipe bridge at Kakrapar and Vyasar, Gujarat	Completed
7.	Water supply consultancy from GWSSB to APL Panelav, Halol	Completed



Radikale Engineering Pvt Ltd

Waste water/Sewerage projects:

Sr. No.	Description	Status
1.	Process evaluation and project feasibility report for constructing STP for varying flow regime from 3mld average flow and 10mld festival load at Anandpur, MP	Completed
2.	Detailed Engineering with Costing for Sukhpur Drainage system, MP.	Completed
3.	Design & Engineering of 17.45 mldSTP based on Upflow Anaerobic Sludge Blanketprocess(UASB technology), at Dahod, Gujarat.	Completed
4.	Engineering of 5.2MLD & 2.1MLD STPs at Vikram Udhyogpuri, Ujjain (MP). Both the STPs are based on MBBR Technology.	Completed
5.	Detailed Engineering of 12MLD, 14MLD and 22MLD STPs at Dewas Madhya Pradesh. All the STPs are based on SBR Technology. End Client: Dewas Municipal Corporation	Completed
6.	Design & Engineering of Eleven pumping stations different capacity at Udaipur (Rajasthan).	Completed
7.	Detailed Engineering of 5MLD, 4MLD, 1.5MLD and 1MLD STPs at Beware Rajasthan. All the STPs are based on SBR Technology.	Completed
8.	Design Engineering of Sewerage collection system (150Km), IPS and STP (cap 65MLD and 8MLD) at Gwalior MP.	Completed
9.	Detailed Engineering of 1MLD, 6MLD, 10MLD and 11MLD STPs at Indore, MP.	Completed
10.	Design and engineering of Malad IPS, Mumbai	In progress
11.	Consultancy for "Versova Influent Pumping Station & Mithi River Rejuvenation Project (Package-I, II, III& IV)"	Completed

Advance Filtration and Desalination projects:

Sr. No.	Description	Status
1.	Feasibility study of 2MLD Sea Water Desalination project at Jambusar	Completed
2.	Feasibility study of 10MLD Sea Water Desalination project at Pipavav	Completed
3.	Detail project report and project management for 50MLD ZLD project for Ukai thermal power station Gujarat	In progress
4.	Design and engineering of 2MLD and 4MLD RO plant for ground water for Bhind MP	In progress



Radikale Engineering Pvt Ltd

Network Modelling projects:

Sr. No.	Description	Status
1.	Consultancy work of DPR preparation of Lift Irrigation Project of 60,000 Hactor Nizar, Songadh & Uchchhal Taluka, Ukai,	Completed
2.	Design of Sewerage Network of Five town in Karnataka state. (total length about 500km) End Client: Karnataka Urban Water Supply & Drainage Board	Completed
3.	Design of Sewerage Network of Sawaimadhopur and Jhalawar in Rajasthan state (length of sewer about 300km)	Completed
4.	Sewerage DPR of Yavatmal (total length 1000km; first phase 150km). Survey, design, estimation and approval from MJP and Maharashtra gov. under Amrut Scheme	Completed
5.	Sewer Network design Kalayan Dombivali (about 100Km)	Completed
6.	DPR for rural water supply scheme for Rajgarh district (350 villages) , MP	In progress
7.	DPR for rural water supply scheme for Harda district (511 villages), MP	In progress
8.	DPR for rural water supply scheme for Narsinghpur district(900 villages), MP	In progress
9.	DPR for rural water supply scheme for Pohri Tehsil of Shivpuri district (130 villages), MP	In progress
10.	DPR for rural water supply scheme for Pichore Tehsil of Shivpuri district (60 villages), MP	In progress
11.	DPR for water supply for various villages in Uttarakhand	Completed
12.	DPR for rural water supply scheme for Jabalpur Tehsil of Jabalpur district (700 villages), MP	Completed
13.	DPR for water supply scheme for Ahmedabad District, Gujarat	In progress

Infrastructure projects:

Sr. No.	Description	Status
1.	Plumbing and sanitation scheme design for GSPHC E-12, Gayakwadhaveili, Ahmedabad.	Completed
2.	Mechanical, Electrical & Plumbing work for Anandpur Hostel, MP.	completed
3.	MEP for Prashant Nagar, Pune.	completed
4.	Fire Fighting System design for Tank farm at Gandhidham	completed
5.	MEP for Amritdham, Khopoli.	completed
6.	MEP work for sport complex at Alleppey, Kerala.	completed



Radikale Engineering Pvt Ltd

Solid waste Management:

Sr. No.	Description	Status
1.	Process checking and commissioning supervision for common waste processing facility at Hooghly, West Bengal	Completed
2.	Design and engineering of Hazardous waste landfill site at Haraholli industrial area, Ramnagar Dist., Karnataka	Completed
3.	Design and engineering of Solid waste management at VUL, Ujjain.	Completed
4.	TPI of Hazardous waste landfill site BEIL, Ankleshwar	Completed

Military Engineering Services Projects:

Sr. No.	Description	Status
1.	MEP consultant to main architect for Navi at Agnibahu South Mumbai, Maharashtra	Completed
2.	MEP consultant to main architect for Air force Hangers, Arunachal Pradesh.	Completed
3.	MEP consultant to main architect for Air force at Dinjan township, Assam.	Completed
4.	MEP work for Chetak Commando center, Magodi, Gandhinagar, Gujarat.	Completed
5.	MEP for G+ 22, Colaba for MES	Completed
6.	MEP for G+ 26, Powai for MES	Completed
7.	MEP work for Agnibahu, Mumbai.	Completed



Radikale Engineering Pvt Ltd

Industrial Projects:

Sr. No.	Description	Status
1.	Design and Engineering a skid mounted plant based ASP on for treatability run. Client: UPL-Unit 5, Jhagadia.	Completed
2.	Treatability study of waste water & Design and Engineering of an Effluent Treatment Plant based on Fenton treatment followed by IFAS Technology for a Pharma Plant at Dahej (Gujarat) to treat high COD waste water.	Completed
3.	Design Engineering and Supply of Conning Oil Recovery System for Reliance Silvassa.	Completed
4.	Process checking and commissioning supervision of an ETP at Ford India, Sanand, Ahmedabad (MBR Technology)	Completed
5.	Design Engineering and PMC of 25cusec (2500m ³ /hr) Temporary Water supply project for thermal power Station at UKAI.	Completed
6.	Feasibility Study of 2MLD Desalination plant at Jambusar, Gujarat.	Completed
7.	Assessment of Final Effluent Treatment Plant of capacity 60 MLD for Narmada Clean Technology, Ankleshwar, Gujarat.	Completed
8.	Design, Engineering and PMC of 2MLD Water supply project, Halol, Gujarat	Completed
9.	PMC for upgradation of Final Effluent Treatment Plant of capacity 60 MLD for Narmada Clean Technology, Ankleshwar, Gujarat.	Completed
10.	30 m ³ /hour Copper Removal unit (ETP) for BPCL- Kochi	Completed
11.	Design Engineering and PMC of 25cusec (2500m ³ /hr) Permanent Water supply project for thermal power Station at UKAI.	Completed
12.	Piping work (service, laying, execution) related to Narmada Water from GWSSB to APL Panelav, Halol	Completed
13.	Construction of pump house related to Narmada Water from GWSSB to APL Panelav, Halol	Completed
14.	40 MLD TTP GSECL, Bhavnagar	In progress
15.	Upgradation of 4 existing CETP, Kolkata	In progress



Radikale Engineering Pvt Ltd

EPC work:

Sr. No.	Description	Status
1.	Conning oil removal system, Reliance, Silvassa	Completed
2.	Oil Removal system, Torrent Pharma	Completed
3.	ETP for Specialty Chemical, Tatva Chintan Pvt Ltd	Completed
4.	ETP for Copper removal for Kochin Refinery, Linde Pvt Ltd	Completed
5.	25MLD water treatment plant design and supply and erection of process machinery of the plant, at Kavat, Gujarat	Completed
6.	Design engineering and supply of package system comprises of UF/RO (700KLD) for waste water recycling at Kolkata	Completed
7.	WTP, STP & Pumping station for Zoological Park at Statue of Unity Kevadiya, Gujarat	Completed
8.	Brackish Water RO system of 2.65MLD at Gormi & 3.1MLD at Mehgaon	In progress
9.	Pumping Main of 2.5MLD capacity for Alembic Pharma at Halol, Gujarat	Completed
10.	GWSSB Pump house for Alembic Pharma at Halol, Gujarat	Completed
11.	100 KLD STP, 400 KLD ETP and 10 KLD STP at Lignite mines, Bhavnagar	In progress
12.	5.5 STP Rajpipla, Gujarat	In progress
13.	40 MLD TTP GSECL, Bhavnagar	In progress
14.	Upgradation of 4 existing CETP, Kolkata	In progress

O&M projects:

Sr. No.	Description	Status
1.	ETP for Specialty Chemical, Tatva Chintan Pvt Ltd	Completed
2.	WTP, STP & Pumping station for Zoological Park at Statue of Unity Kevadiya, Gujarat	In progress
3.	GWSSB Pump house for Alembic Pharma at Halol, Gujarat	In progress



Radikale Engineering Pvt Ltd

R&D Facility:

Radical Engineering Owns a small R&D facility at Vadodara to undertake studies of the complex waste waters our lab is equipped to undertake following analysis

Sr. No.	Description
1.	pH
2.	Temperature
3.	Total Dissolved Solids (Dry Method)
4.	Total Solids
5.	Suspended Solids
6.	Conductivity
7.	COD
8.	BOD (@ 27.C 3 for days)
9.	Ammonical Nitrogen
10.	Oil & Grease
11.	Total Hardness
12.	Calcium
13.	Magnesium
14.	Chloride
15.	Residual Chlorine
16.	Acidity
17.	Alkalinity
18.	Dissolved Oxygen
19.	Sulphide
20.	Mix Liquor Suspended Solids
21.	Mix Liquor Volatile Solids



Radikale Engineering Pvt Ltd

Our Major Clients....



ALMAK



PASSAVANT
Energy & Environment



EHCE

PLUCK
ENGINEERING



Reliance
Industries Limited



Eiffil
CONSTRUCTION



YASH ENERGY PVT.

