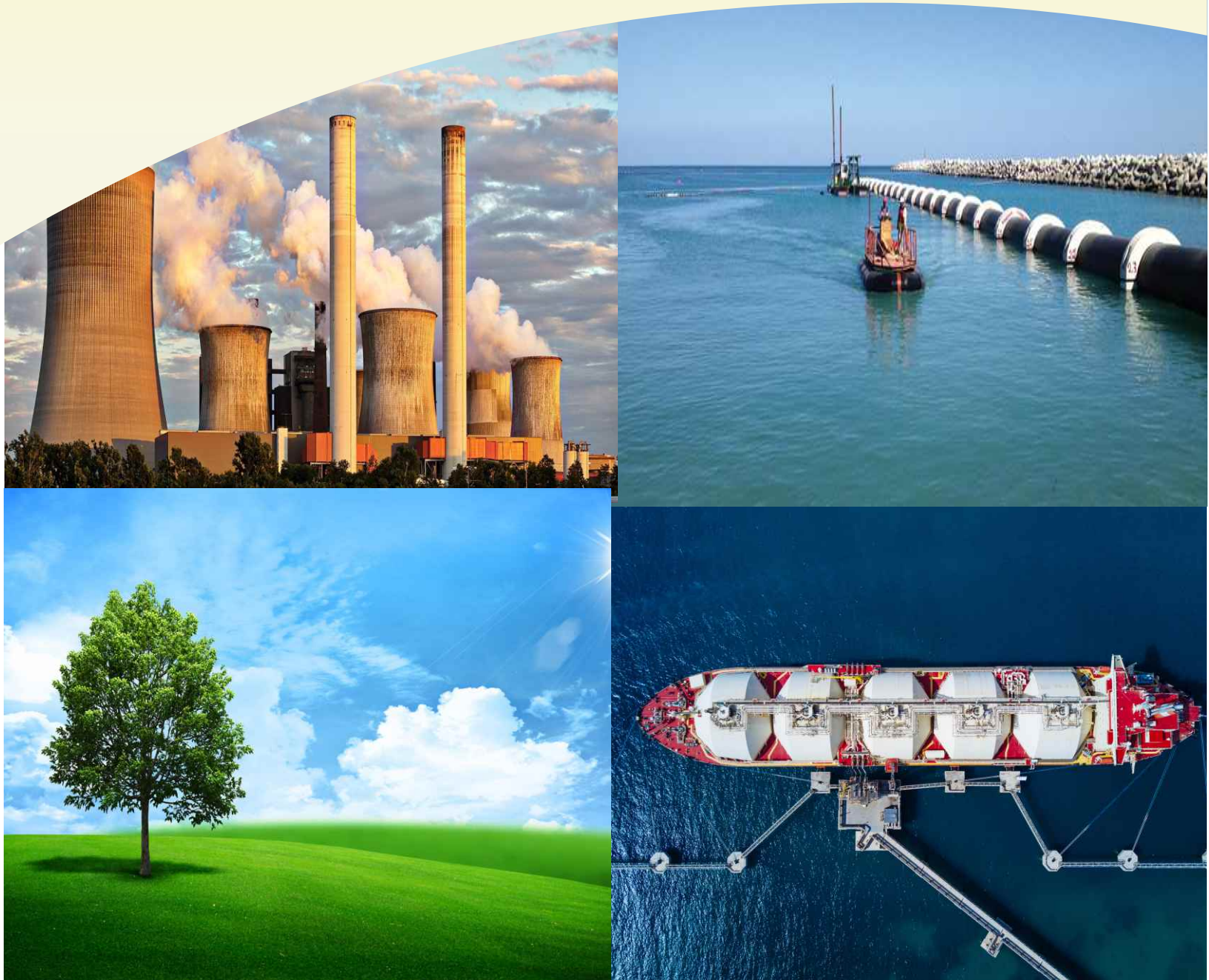




# *Environ Software Pvt. Ltd.*

*AD 2000+ Technology towards BC 2000 Nature*





## ABOUT ENVIRON SOFTWARE PVT. LTD

**Environ Software (P) Ltd** was incorporated in October 1998 and is located at Bangalore- the silicon valley of INDIA. It has a team of highly skilled and dedicated staff, specializing in Coastal Engineering, Hydraulics, Mechanical Engineering and Computer Science & Engineering. Environ is a multidisciplinary software development and consulting firm focusing primarily on solutions to problems involving Air, Water and Soil pollution through the in-house, state-of-the-art computational tools. It is capable of solving a wide variety of coastal and marine pollution related problems that include prediction of currents and tides, flood forecasting, morphological changes of estuarine bed and effects on marine population due to discharge of various industrial pollutants and construction of marine structures.

The company is also capable of predicting the spread of various pollutants in air media, emitted from the industries and vehicles. Environ also provides numerical solution to the problems related to subsurface flows and transport of pollutants. The company also provides full service on field monitoring studies to measure and assess conditions in oceans, coastal areas, lakes, rivers and in air pollution monitoring.

Apart from dealing with complex environmental issues the company is developing a sophisticated Computational Fluid Dynamics (CFD) software, with appropriately chosen numerical methods and physical models for solving Fluid flow, Heat Transfer and Radiation problems. It is capable of solving incompressible, compressible, and two phase flows etc, with different integrated solvers. The company is also concentrating on the development of dedicated software for a specific application because the user is more oriented in many other things than looking for new developments in numerical methods.

Environ products are absolutely user friendly which requires minimal training. The highlights of the products of Environ are interactive, high quality Pre- and Post-Processor utilities which promises enhanced performance. Environ has developed softwares for Library Automation, Institutional Management and Company Automation etc. based on client/Server, Internet/ e-Business and Wireless Application tools

## STRATEGIC AREAS

### Air Pollution Simulation Models (APSM)

APSM is self-contained fully three-dimensionally fluid dynamics software package designed to simulate pollutant spread into the atmosphere, possible impact at the roads due to dispersion of pollutants, coastal atmospheric flows. It is the available software which takes into account, all topographical parameters in numerical simulation.

Hydrodyn-AIRSOFT : Simulation of Pollutant Spread in Atmosphere

### Surface Water Pollution Simulation Models (SWPSM)

SWPSM is self-contained fully three-dimensionally environmental fluid dynamics software package designed to simulate pollutant discharges into the water body, possible impact at the coastal shoreline due to oil slick, morphological changes of bed due to erosion and deposition processes. It is the only available software which takes into account, all topographical parameters in numerical simulation.

**Hydrodyn-FLOSOFT:** Simulation of flow in Rivers, Estuaries and seas

**Hydrodyn-OILSOFT:** Simulation of Oil Slick Transport

**Hydrodyn-POLSOFT:** Simulation of Conservative and Non-Conservative pollutant Transport

**Hydrodyn-SEDSOFT:** Simulation of transport of Cohesive and Non-Cohesive Sediments

### Ground Water Pollution Simulation Models (GWPSM)

GWPSM is self-contained fully three-dimensionally fluid dynamics software package designed to simulate pollutant transport in ground water, possible impact at the zones of coastal shoreline due to salt water intrusion. It is the only available software which takes into account, all soil properties in numerical simulation.

**Hydrodyn-STMSOFT:** Simulation of Solute transport, Biodegradation, Chemical Reaction processes in Ground Water flow system.

### SWPSM -Applications

**Hydrodynamic Modeling :** Ports and Harbors, Rivers, seas, estuarine water body

**Sediment Transport Modeling :** Ports and Harbors, development of Jetty / Berth , outfall discharges, disposal of dredged material, drill mud in deep waters, Particle trajectory modeling.

**Water Quality Modeling:** Effluent discharge from the industries, thermal dispersion, desalination plants discharges, Oil Spill Modeling Oil slicks in the surface and sub-surface water system, pipeline leakages, Controlling measures etc

**Wave Modeling :** Ship downtime, wind induced wave currents along the shore, wave tranquility

**Storm Surge Modeling:** Inundation associated with storm surges along the coastal areas

## Consultancy Services offered

- ★ **Modelling of Air, Water, Ground Water Pollution, Fluid Dynamic and Heat Transfer Applications.**
- ★ **Oil Spill Risk Assessment and contingency planning.**
- ★ **Wave and Near Shore Circulation, Wave Tranquility Studies.**
- ★ **Dredge disposal studies, shoreline changes.**
- ★ **Modeling of Storm Surges and Associated Inundation.**
- ★ **Intake and outfall dispersion studies.**
- ★ **Design of pipeline including Intake and outfall structures.**
- ★ **Ship navigation simulation studies.**
- ★ **Sediment transport modeling studies.**
- ★ **Coastal Sensitivity Mapping and NEBA studies.**
- ★ **Ecological Impact Assessment for Coastal Areas.**
- ★ **Hazardous Waste water Management.**

## Clinet/Server Application Software

### **LIBSOFT : Library Management System**

a package designed and developed for effective management of a libraries. This package has been designed to handle huge volumes at lightning speed thus saving manpower. Libsoft is a Windows based software and it runs in any Windows environment and hence it has excellent Graphical User Interface.

### **e-INSTITUTE: Institutional Management System**

e-Institute is a twin package developed by Environ ,which contains an internal interface for effective management of Institute and aWeb interface for effective sharing of information. The internal interface takes careof details of subject, students, staff, placement, news, MIS etc while the Web interface allows students as well as parents to acquire information related to performance, attendance, News, Placement schedules / Results etc. In effect, the website for the institute will be very informative and interactive thanks to the concept of eInstitute.

### **BREEZE - Office Automation System**

Breeze is a twin package designed and developed by Environ, which contains an internal interface for effective management ofcompanies and web interface for effective sharing the information. The Internal package takes care of details of databases of various types of information including assets, employee activities, daily activities etc.

## OUR SCIENTIFIC SOFTWARE PRODUCTS

**AIRSOFT** : Simulation of pollutants spread in atmosphere.

**FLOSOFT** : Simulation of flow

**STMSOFT** : Simulation of Solute transport, Biodegradation, chemical Reaction processes in Ground Water flow system

**NSPSOFT** : Simulation of Noise Pollution

**OILSOFT** : Simulation of fate and trajectory of oil spills

**POLSOFT** : Simulation of Conservative and Non- Conservative Pollutant Transport

**SURGSOFT** : Simulation of surges due to cyclones

**SEDSOFT** : Simulation of Cohesive and non- Cohesive Sediment Transport

**AHDSOFT** : Analysis of Hydrographic Data For Tidal Management Practice

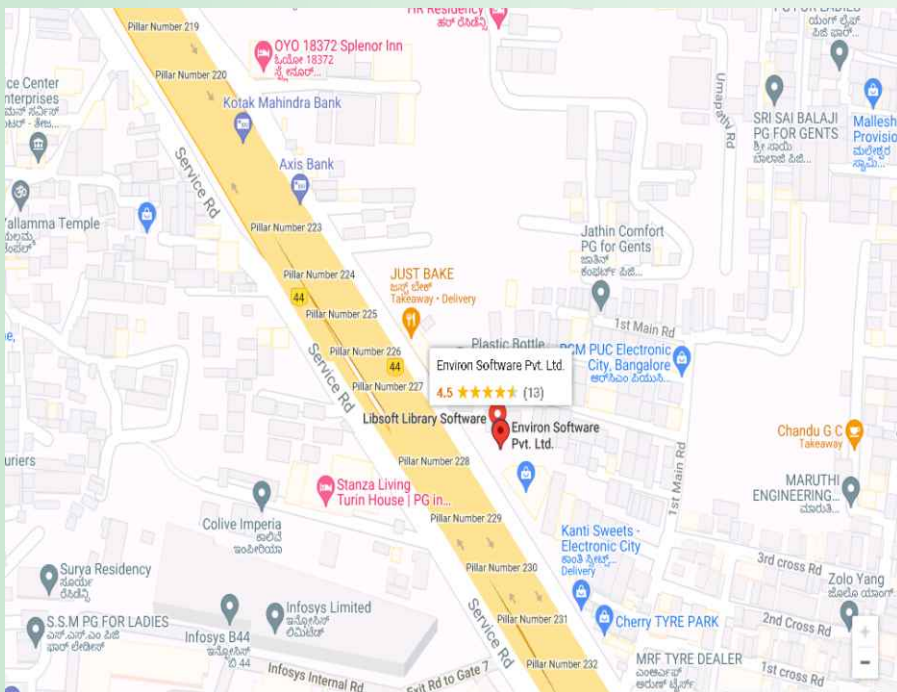
**LIBSOFT** : Library Management System

**e-Institute** : institutional Management System Software

**e-Breeze** : Office Automation Software

## SOME OF OUR CLIENTS

- ❖ Adani Port Limited, Hazira
- ❖ Bharat Petroleum Corporation Limited, Mumbai.
- ❖ British Gas Mumbai
- ❖ Cairn India Limited, Noida
- ❖ Cairn Lanka Pvt Ltd (CLPL), Sri Lanka
- ❖ Chennai Petroleum Corporation Ltd., Chennai
- ❖ Coastal Energen Pvt Ltd (Energen), Chennai
- ❖ Department of Ocean Development (DOD), Chennai
- ❖ Dhabol Power Corporation, Dhabol
- ❖ DMCC Oil Terminals (Navalakh) limited, Gujarat
- ❖ Dubai port, Mina, Jabal Ali, United Arab Emirates
- ❖ Eco Chem Sales and Services-Surat, Gujarat
- ❖ Essar Oil Limited, Refinery Division, Jamnagar
- ❖ Gujarat Maritime Board ,Gujarat
- ❖ Gujarat State Pollution Control Board, Gujarat.
- ❖ Gujarat Adani Ports, Katch, Gujarat
- ❖ Hindustan Petroleum Corporation Limited, Visakhapatnam
- ❖ IOCL ,Port Blair, Andaman, Kolkata
- ❖ Indian Oil Corporation, Vadinar
- ❖ IPSHEM, Oil and Natural Gas Commission(ONGC), GOA
- ❖ Indian Oil Corporation Limited, Pipelines Division, NOIDA
- ❖ Jindal Shipyard Limited, Mumbai
- ❖ Lift and Shift Private Limited, Mumbai
- ❖ Reliance Industries Limited, Mumbai
- ❖ National Institute of Oceanography (NIO), GOA and its Regional Centers in Mumbai, Cochin and Visakhapatnam
- ❖ National Institute of Ocean Technology(NIOT), Chennai
- ❖ Surat Municipal Corporation, Surat
- ❖ Terra Firma Pvt. Ltd., Goa
- ❖ Trimex Heavy Minerals Pvt Ltd., Srikakulam, AP
- ❖ Vadinar Oil Terminal Limited, (VOTL), Jamnagar
- ❖ Vimta Labs, Hyderabad
- ❖ Walchandnagar Industries Limited, Dahej.
- ❖ Indian Institute of Technology (IIT), Delhi



*Environ Software Pvt. Ltd.*

60/4, Environ Towers, 4th Floor,

Hosur Main Road,

Konappana Agrahara,  
Electronic City

Bangalore -560 100 India

Tel: +91 80 2852 2191/ 92

+91 94497 50282

Tele Fax: +91 80 2852 2949

email: [environ@environcs.com](mailto:environ@environcs.com)

[environ@environsoftware.com](mailto:environ@environsoftware.com)