

## **Information about the INDO-GERMAN WATER network**

The **INDO-GERMAN WATER** network is a German research network in the area of water supply and wastewater systems and environmental technologies. **INDO-GERMAN WATER** network covers a deep and broad portfolio of experience, ranging from research activities to highly application-oriented solutions and their implementation. The network currently takes part in the campaign “India and Germany – Strategic Partners for Innovation”, that is supported by the German Federal Ministry of Education and Research. Detailed information of the **INDO-GERMAN WATER network**, its activities and members are available at [www.indo-german-water.net](http://www.indo-german-water.net). (The website will be available end of February)

INDO-GERMAN WATER network aims to:

- Improve water supply and wastewater disposal for humans and industrial purposes, taking into consideration people’s health, economical development and environmental protection.
- integrate Indian and German know-how in these areas and adapt solutions to the special needs of India.
- identify potential fields for co-operations and areas for joint Indo-German research activities in India.
- establish Indo-German projects in the field of communal and industrial water supply and wastewater disposal.

## **Contact**

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## Project partners

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Engineering Consultants Scheer work in the field of urban drainage systems – wastewater disposal, water pollution control, system optimisation, computer simulation and data management. Experience in design and R&D combined with high motivation to improve human and environmental situations are fundamentals of the work. We consider technical, economical and ecological aspects and the people who operate the systems or who are affected by them. Depending on the needs, basic conventional tasks as well as high-tech solutions are offered to clients and partners - wastewater system operators, industry, other engineering offices or R&D institutes. Whether as project leader or participant - sharing competences in networks to multiply benefits for clients and partners is a matter of course and pleasure.  
[www.ib-scheer.de](http://www.ib-scheer.de) (available mid-march)

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The Professorship of Sanitary Engineering and Waste Management is a part of the Institute of Hydroscience at the University of the Federal Armed Forces Munich. It has a staff of 12 scientists and 5 employees at the laboratory; the head is Mr. Prof. Günthert.

Selected recent topics of research concerning this project are:

- Risk analysis in water supply companies
- Optimisation of water and waste water treatment plants
- Operation costs and cost efficiency of water and waste water treatment plants
- Simulation of urban runoff and sewer systems
- Rehabilitation of private drainage systems

The experimental and analytical equipment contains a laboratory for water, soil and air analysis, mobile and online-analyzers and other various testing facilities.

Within the Network “Planning and Rehabilitation of communal and industrial water supply and wastewater disposal systems in India” we focus on rehabilitation strategies of sewer and water pipe systems.

<http://www.unibw.de/ifw/swa/>

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The Bavarian-Indian Centre (BayIND) aims to coordinate and promote the Indo-Bavarian economic and higher educational ties. BayIND has been set up by the Bavarian State Ministry of Sciences, Research and the Arts as a central service institution and networking platform for universities and companies in India and Bavaria. Building on the rich existing co-operations between Bavaria and India, BayIND will help to bundle the efforts of both countries in order to generate synergies and to further deepen the bilateral cooperation.

Aims of BayIND:

- deepening the co-operation between Indian and Bavarian higher education institutes by
  - student and teaching staff exchange
  - research co-operations between India and Germany
  - intensive ties between universities and economy
- fostering the relations between Indian and Bavarian enterprises by
  - support of companies (esp. SMEs) with contacts to India and Bavaria
  - internships in German and Indian companies
- information services and networking platform for enterprises and universities
  - e.g. organization of annual conferences

[www.bayind.de](http://www.bayind.de)

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The ISWA is a facility of research and education of the University of Stuttgart, Germany. Its full-scale sewage treatment plant for research and education is unique throughout Europe. More than 100 experts from various engineering and natural sciences work together on an interdisciplinary basis. Our principal areas of expertise are the classical engineering tasks in the environmental fields of water, wastewater, solid waste, soil and exhaust air. Within the Network "Planning and Rehabilitation of communal and industrial water supply and wastewater disposal systems in India" we focus on low-cost and state-of-the-art-technologies for the treatment of water for potable use, for wastewater

treatment as well as water recycling. All necessary facilities, from the research treatment plant, laboratories to the technical library and computer workstations, are available for research. Our laboratories are excellently equipped for extensive investigations in a wide variety of environmental fields. We have a large amount of (online) measuring equipment for experiments on a laboratory scale, semi-technical scale and full scale.  
[www.iswa.uni-stuttgart.de](http://www.iswa.uni-stuttgart.de)

- tandler.com Environmental Informatics Ltd, Buch a. Erlbach, Germany  
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Tandler.com has created the software platform ++SYSTEMS, offering solutions for all concerning tasks in water and wastewater disposal management. Its modular structure permits municipalities and engineers to individually compose perfectly adapted software packages, covering planning, administration and calculation of sewer networks as well as of water and gas supplying facilities.

Nearly 30 years of experience in the sector have led to some of the most advanced, accurate and fast solutions to calculate and describe the behavior of rain- and wastewater discharge in public and private sewer networks and on the surface under all kinds of meteorological conditions. The complex parallel step method in particular, has set new standards in precision and efficiency for hydrodynamic calculation methods, combining perfectly the potential of multiprocessing technology with an unsurpassed mathematical model.  
[www.tandler.com](http://www.tandler.com)