Examples of DEWATS in Vietnam

In 2006 BORDA introduced its DEWATS service packages to Vietnam. Until now a series of DEWATS project implementations have been accomplished in Vietnam.

About BORDA in Vietnam

In 2001 BORDA started its work in Vietnam through the dissemination of demand oriented Basic-Needs-Services. Since 2008 BORDA is working closely together with the Vietnam Academy of Water Resources to disseminate DEWATS in Vietnam. Furthermore BORDA relies on a huge network of partner organizations at governmental and NGO level serving Basic Needs Services in South East Asia.

For further information, please contact us.

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DEWATS in Vietnam

Decentralized Wastewater Treatment Solutions
What is DEWATS

DEWATS stands for “Decentralized Wastewater Treatment Solution”.

DEWATS is a reliable and cost-efficient wastewater treatment solution researched and developed by BORDA, which efficiently treats organic wastewater according to legal environmental standards.

Based on demand, modules of DEWATS can be selected

Primary treatment - sedimentation ponds, septic tanks or biodigester
Secondary treatment - fixed-bed reactors, baffled upstream reactors or anaerobic filters
Tertiary aerobic treatment - horizontal gravel filter
Post treatment - aerobic polishing ponds

Advantages of DEWATS

- Can be built with local materials by local workforce
- Efficient treatment for daily wastewater flows of up to 1000m³
- Modular design of all components
- Tolerant towards inflow fluctuations
- Reliable and long-lasting construction design
- Low operation and maintenance costs

Service Packages

DEWATS Service Packages include not only the construction of hardware but a whole set of integrated measures which can be combined according to the demand.

To ensure sustainability of a project, those services are an integral part of BORDA DEWATS projects from planning to commissioning.

- Quality Management System (QMS)
- Monitoring and Evaluation (M&E)
- In-House Management (IHM)
- Health and Hygiene Education (HHE)
- Health Impact Evaluation (HIE)

The standardized Quality Management System (QMS) developed by BORDA ensures that every DEWATS plant is designed and constructed according to demand and local requirements.

Health and Hygiene Education (HHE) is key to raise awareness and improve the health of communities, students and workers in the private sector.

To assess the health situation of a target group, the BORDA Health Impact Evaluation (HIE) approach helps to close gaps (i.e. missing knowledge).

Range of Application for DEWATS

- School based Sanitation
- Community based Sanitation
- DEWATS for Small and Medium Enterprises
- DEWATS for Agroindustries
- DEWATS for Hospitals
- DEWATS for Real Estates
- DEWATS for Prisons
- DEWATS for Tourist Sector, Guesthouses, Restaurants