

Feasibility Study for a Mechanical-biological Waste Treatment Plant in Phitsanulok, Thailand and Assistance to the GTZ Sector Project

Project Description

In the scope of the GTZ sector project Mechanical Biological Waste Treatment the Municipality of Phitsanulok, Thailand, has been identified as a MBT pilot project. In 1999 a feasibility study has been conducted for a MBT plant at the Phitsanulok landfill site. The investigations concerning the feasibility covered technical, ecological, social and economic aspects. The large scale pilot project has been implemented in 2001 in cooperation between Faber Company, GTZ and Phitsanulok Municipality.

In 2002 the pilot project has been evaluated, showing that MBT can considerably reduce landfill emissions without adding substantial costs. Results of the pilot project are published in the final report of the MBT sector project, which also has been conducted by Infrastruktur & Umwelt

Results

- Feasibility study for a MBT plant(1999),
- Evaluation of the large scale pilot project (2002) and
- Publication of the results in the final report.

Our Services

- Analysis of the existing waste management system in the region,
- Definition of possible general improvement strategies,
- Discussion of available MBT-technologies and suppliers,
- Preliminary design incl. flow charts, waste stream distribution,
- Elaboration of bill of quantities and cost estimation,
- Project risk analysis,
- Informal sector involvement analysis,
- Evaluation of the pilot project and
- Suggestions for permanent operation
- Backstopping and preparation of final report

Contact

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Sector:

Solid Waste Management

Countries:

Thailand and worldwide

Location:

Phitsanulok

**Client:**

GTZ, Phitsanulok Municipality

Financing:

GTZ

Duration:

1999 – 2003