

## CASE STUDY DESCRIPTION



**Institute name:** Asian Institute of Technology

**Unit of relevance:** Sub-course 5 (Unit 5.3 Financial Transfers)

**Link on YouTube:** <https://youtu.be/Lw2GGGafBjc>

<b>TITLE:</b> Faecal Sludge Management Financial Flow, Case Study
<b>DURATION:</b> 22 minutes
<b>PROBLEM STATEMENT:</b>  One of the reasons why faecal sludge management (FSM) systems have not been widely implemented is because of the financial and political complexity involved (Linda S., Mariska R. and Damir B, 2014). Financial flow analysis is a tool to identify the financial situation of faecal sludge management.
<b>DESCRIPTION:</b>  This video focuses on Faecal Sludge Management financial flow. It introduces the faecal sludge service providers in Thailand and presents the case study of Nonthaburi city.  Nonthaburi City manages its Faecal Sludge through a public utility, which is in charge of collection, transportations, treatment and sell of enduse product. In this video you will be introduced to the financial transaction in the Faecal Sludge chain (investment, operation and maintenance cost and revenues) and the stakeholders involved.
<b>PRESENTATION STYLE:</b>  The video is based on slides and interviews to describe FS financial flow. It also illustrates figures as well as graphs to compare cost components of service providers.  <ol style="list-style-type: none"><li>1. Introduction to existing financial flow options in Thailand</li><li>2. In deep description of FSM financial flow in Nonthaburi City<ol style="list-style-type: none"><li>a. Collection and transportation cost and revenues</li><li>b. Treatment and enduse cost and revenues</li><li>c. Case study financial flow</li></ol></li><li>3. Take home message</li></ol>
<b>TAKE HOME MESSAGE:</b>  Currently in Thailand faecal sludge service providers are operating at loss and Thai government is compensating this loss by bearing higher cost on their side. Will Thai government still be interested to invest in Faecal Sludge Management investment if the situation does not change? It is high time to identify the sustainable solutions for faecal sludge management

**ASSIGNMENT:**

1. Suggest one option to decrease cost of Nonthaburi FSM operation and explain.  
From the Article: *Business Analysis of Fecal Sludge Management: Emptying and Transportation Services in Africa and Asia* [http://saniblog.org/wp-content/uploads/2012/12/10-country-FSM-Final-Report\\_September-2012-1-2-copy.pdf](http://saniblog.org/wp-content/uploads/2012/12/10-country-FSM-Final-Report_September-2012-1-2-copy.pdf),  
What are the main sources of funding for mechanical empty service provider?