

# **ENGINEERING SERVICES**

## **HAMBURG**



**Engineering Services  
for the Cement and  
Building Material Industry.**



### **Project realisation**

Inland-, Import- and Export  
Terminal design, Terminal  
construction and Start-up.

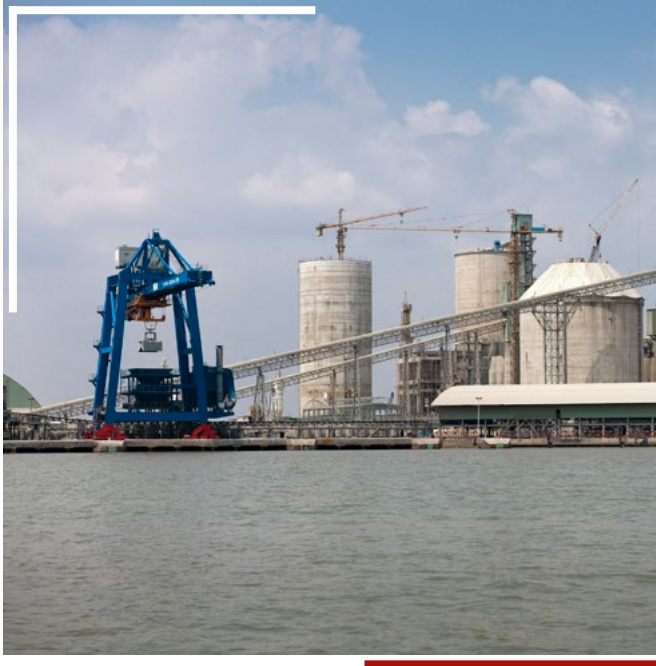


### **Operations**

Operational management  
and Maintenance  
control.

# Project realisation

Inland-, Import-, Export Terminal design // Terminal Construction // Commissioning



Terminal design and construction for ship loading and unloading.

**Engineering Services Hamburg can provide engineering and consultancy services on all aspects of cement and clinker handling and especially in project realisation and operations.**

Areas of expertise for example are comprehensive studies for cost-effective solutions for cement import or export terminals for distribution of cement and cementitious material to a satellite market.

Due to more than 25 years of experience we have performed many studies for the development of cement distribution terminals to fit our clients' requirements. We are specialists in pneumatic and mechanical ship loading and unloading.

With our „know how“ in the field of retrofitting and conversions, our goal is always the same: to develop solutions for technically complex tasks that also meet the latest environmental and safety requirements.

## Inland-, Import-, Export Terminal design

- ✔ Feasibility and technical studies for distribution networks
- ✔ Investigation of potential rail, river or ocean transportation systems
- ✔ Logistical analysis of industrial distribution
- ✔ Technology comparison of equipment tenders
- ✔ Conceptual through detailed design of the cement terminal and equipment
- ✔ Capital cost and operating cost estimates
- ✔ Logistical cost studies and overall project economics of alternatives
- ✔ Civil and electric engineering

## Terminal Construction

- ✔ Project management and schedule
- ✔ Site work supervision

## Commissioning

- ✔ Training of terminal personnel
- ✔ Supervision of FAT-, SAT- no load- and load tests
- ✔ Expert witness service for performance tests

**Engineering office for sales, design and project management of trans-shipment terminals, ship loading and unloading facilities for cement and cementitious bulk materials.**

Engineering Services Hamburg is a competent company in the field of designing cement handling terminals. It is our aim to make this highly specialised knowledge and experience available to companies wishing to construct cement import, export or domestic trans-shipment terminals. The basis for this is the 25 years of experience of Engineering Services Hamburg from the planning and design of terminals and equipment to project management and commissioning.

Engineering Services Hamburg is an independent organisation that offers its services to everyone.

[engservhamburg.com](http://engservhamburg.com)





# Operations

Operational Management // Maintenance Improvements // Plant Optimisation



Terminal design and construction for the cement and building material industry.

**It can make a few dollars per tonne difference between a well-managed and poorly managed cement terminal.**

Much depends on the well trained and experienced plant manager, but operators are always looking for improvements. For example, through better organized maintenance or by getting to the bottom of why 1 to 2% of cement sales always „disappear“.

Our process engineering service, from advice on the spot to assistance during the implementation of technological improvement suggestions, has the objectives in the reduction of operating costs, the increasing of the production rate, improving of product quality as well as raising the plant availability.

Attention is also paid to the reduction of emissions.

## Operational Management

- ✔ Preparing operation manuals
- ✔ Data collection and investigation of annual cement loss
- ✔ Cement inventory control

## Maintenance Improvements

- ✔ Working out of maintenance routines, schedules and budgets
- ✔ Preparation of maintenance manuals

## Plant Optimisation

- ✔ Recording the relevant plant and process data on site
- ✔ Performance evaluations
- ✔ Suggestions of detailed measures that will lead to a technological improvement, resolving of bottlenecks
- ✔ Supervision of implementation of measures, equipment review



Our strength lies in finding superior solutions in terms of technical and planning aspects, not only for simple projects, but especially for more complex situations. We make our detailed knowledge available in the areas of ship loading and unloading, dome silo systems, flat storage facilities, cylindrical inverted cone silo systems as well as bolted steel silo systems in order to find the optimum solution for your task.

Our flexibility enables us to support you from the preparation of feasibility studies and sub-projects to the realisation of complete import, export or domestic handling projects. Our expertise includes both cement and cementitious materials such as fly ash, ground blast furnace slag and limestone powder. Our extensive operational experience also enables us to optimise and update existing terminal operations.



**Do you have any questions about our services?**

 **+49 40 - 81 96 13 07**

 **info@engservhamburg.com**

 **www.engservhamburg.com**

**Engineering Services Hamburg**

Dipl.-Ing. Mario Rämmele

Brüschentwiete 58 c

22559 Hamburg / Germany