

# RIJKSWATERSTAAT

## ENHANCES INFRASTRUCTURE COST ESTIMATION WITH CLEOPATRA



Rijkswaterstaat  
Ministerie van Infrastructuur en Waterstaat

Rijkswaterstaat, Ministry of Infrastructure and Water Management, is responsible for the design, construction, management, and maintenance of the main infrastructure facilities in the Netherlands. This includes the main road network, the main waterway network, and water systems.



### Introduction

With the goal of creating an efficient and repeatable cost estimating process, Rijkswaterstaat decided that their existing software was outdated and no longer meeting their cost estimation needs. Over a year, Rijkswaterstaat compared several solutions and chose Cleopatra Enterprise as their cost estimating software.

With Cleopatra Enterprise, Rijkswaterstaat can ensure reliable cost estimations while maintaining and complementing a cost knowledgebase in Cleopatra.

### Key Requirements for Rijkswaterstaat's Cost Estimation Solution

- Keeping up with the developments in the cost field
- Having more functionalities compared to the former software
- Choosing a software compatible with the Rijkswaterstaat network as all cost engineers at the organization were going to use the tool
- Converting all cost related data, such as existing estimates and knowledgebase with unit prices and cost models
- Interacting with a satisfactory look and feel
- Getting the appropriate training

### Why Cleopatra Enterprise was the best fit for Rijkswaterstaat

Rijkswaterstaat's price and quality analysis showed that Cleopatra Enterprise was the solution with the highest price to quality ratio. The aspect of quality consisted of a List of Requirements, a Plan of Approach, and a Proof of Ability. In the Proof of Ability, all suppliers demonstrated the software's functionalities and look and feel in a predefined and identical use case.



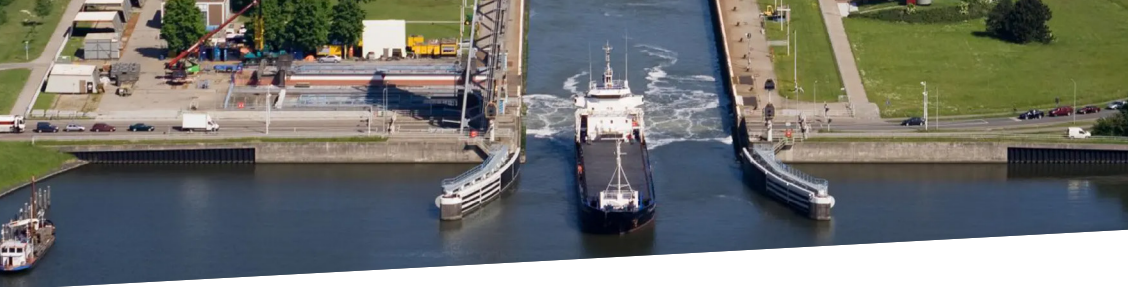
CLEOPATRA

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The advantages of Cleopatra were stated as follows by the Cost Engineering Department of Rijkswaterstaat:

- Cleopatra met all our must-have requirements and most of our should-have requirements. A few examples of these requirements: at least 5 decimals, the possibility of a **cost knowledgebase**, search functionality, **export to and import from Excel**, decompositions and filtering, comparing and analyzing estimates, the use of allowances, factors, authorization, and cost models.
- Cleopatra is developed by cost engineers, assuring added value in our work processes.
- Cleopatra Enterprise is open to customer wishes and improvements. For instance, they are committed to converting all our cost related data in a mostly automated way.
- Cleopatra has a clear and configurable interface. The knowledgebase is designed like a 'shop' that supports easy access to the resources needed in the estimate.
- Cleopatra has a high aesthetic quality. The design is highly consistent and complete. All functionalities have similar designs.
- Reporting options in Cleopatra are adjustable, very clear, and nicely designed.
- Cleopatra enables the user a phased learning process, from easy access to basic commands to programming own functionality and cost models.
- The programming functionality is embedded in the software.

Cleopatra Enterprise allowed Rijkswaterstaat to perform reliable cost estimates for projects in the field of construction and maintenance of the main infrastructure facilities in the Netherlands (roads, waterways, and water systems). Cleopatra's estimating functionalities helped Rijkswaterstaat make accurate cost estimates ranging from conceptual to detailed estimates.

**"Cleopatra Enterprise Team is very professional and cooperative. They have excellent software engineers who unraveled our data in a short amount of time. The team responds quickly, on a daily basis, to all questions and suggestions."**

*-Rijkswaterstaat*

**"The Project Analysis capabilities of Cleopatra Enterprise and the cost knowledgebase maintained in the tool will help us make high-quality estimates. This will enable us to create an efficient and repeatable cost estimating work process, providing the management with reliable, professional estimates that allow them to make the right decisions. With Cleopatra, Rijkswaterstaat will be able to advise the financier on the budget to be reserved, advise project teams on the cost progress in time, and advise at tenders."**

*-Rijkswaterstaat*

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Since 1996, Cleopatra Enterprise has empowered over 500 industry-leading companies across 75 countries to deliver complex projects and turnarounds with confidence.

Cleopatra offers a Total Project and Turnaround Management Software that supports the entire project lifecycle through an integrated project cost management solution. It is the only tool that combines cost estimating, work package management, BIM, scheduling, cost control, form tracking, benchmarking, and more—helping you build robust project controls capabilities to stay on schedule and within budget.

With cutting-edge technology and a team of experienced professionals, Cleopatra enables companies to streamline processes, improve project performance, and achieve their goals with confidence.

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