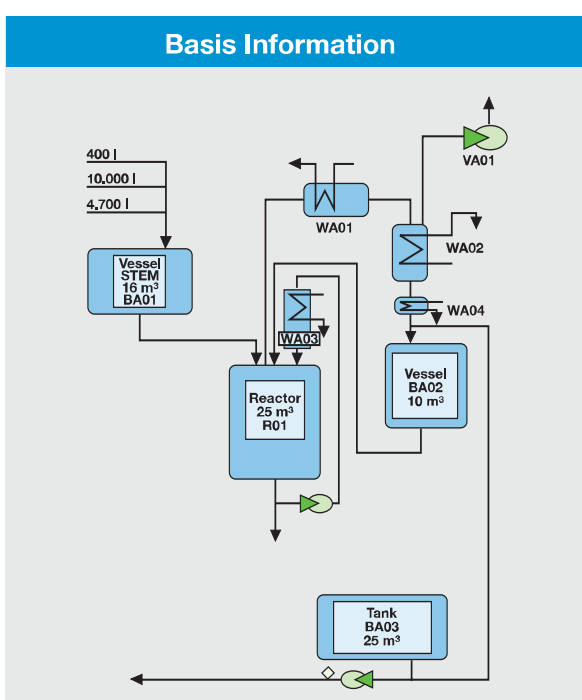


From Concept to Budget

Our service ...

We at Bayer Technology Services perform cost estimates for planned chemical production facilities using the INKOS module method.



From concept to budget – our expertise in cost estimation produces a realistic idea of costs in the early planning stages.

We can also assist you in evaluating cost estimates supplied by third parties or by performing a benchmark estimate. We provide support in site comparisons, taking into account national or site-specific factors.

If you are planning to modify the capacity of your facility, we can perform rough cost estimates using the capacity method.

During project execution, we can provide updates of cost estimates enabling you to identify in near time the effects on costs of, for example, making changes to a plant concept.

Lastly, we can evaluate key indicators for the facility once constructed.

... is your gain.

Even if you only have a fairly vague description of the proposed facility, we can use our INKOS module to estimate the costs of all services related to its construction. This increases your planning reliability in early planning stages.



The INKOS module method was developed by Bayer Technology Services on the basis of evaluations of Bayer's chemical production facilities.

The standardized quantities for construction, piping and process control systems that underpin our INKOS modules provide you with a realistic basis for comparison and for optimization of your facility concept.

So that the results are transparent and easy to understand, we provide you with:

- cost overviews structured according to various aspects;
- detailed lists of apparatus with the associated costs;

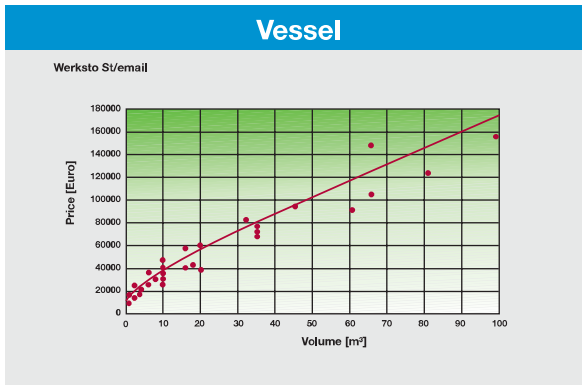
and last but not least

- standard quantities for construction, piping and process control systems for the estimated scope.



Our approach

In the INKOS module method developed by Bayer Technology Services, the size and scope of the components for the piping, process control systems and a building section are predefined for all types of apparatus and machinery (picture right). Average prices and/or price curves are available for each of these components (picture below). The scope and the unit prices could be adjusted by project information and demands.



The price curves defined in INKOS show average values for the order prices evaluated.

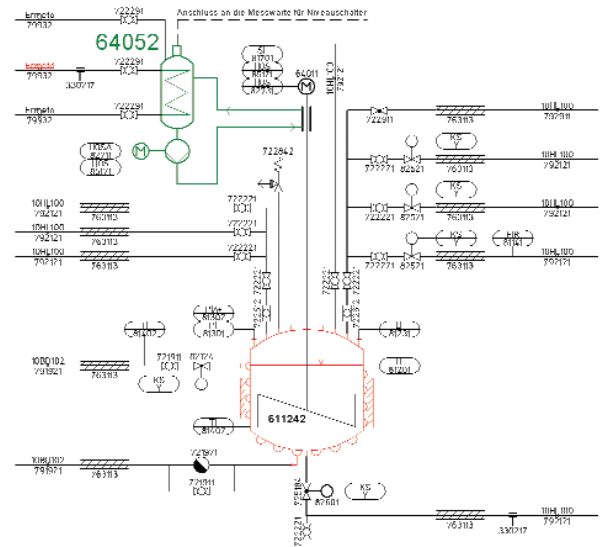
The accuracy of the INKOS module method is around +/- 15% for the total sum estimated.

The quality of the estimate is influenced considerably by the planning depth. We can help you define the accuracy of the estimate for your project.

As we are continuously updating our methods and the underlying data sets, we are able to produce a realistic cost estimate oriented to current market conditions in just a short time.

References

We have ten years of experience in producing cost estimates for all types of chemical production facilities for the various organizational units of the Bayer Group.



This section of a detailed flow chart shows all the components of a mixing vessel module as defined in INKOS and contained in our cost estimate.



... from concept to budget

Contact

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