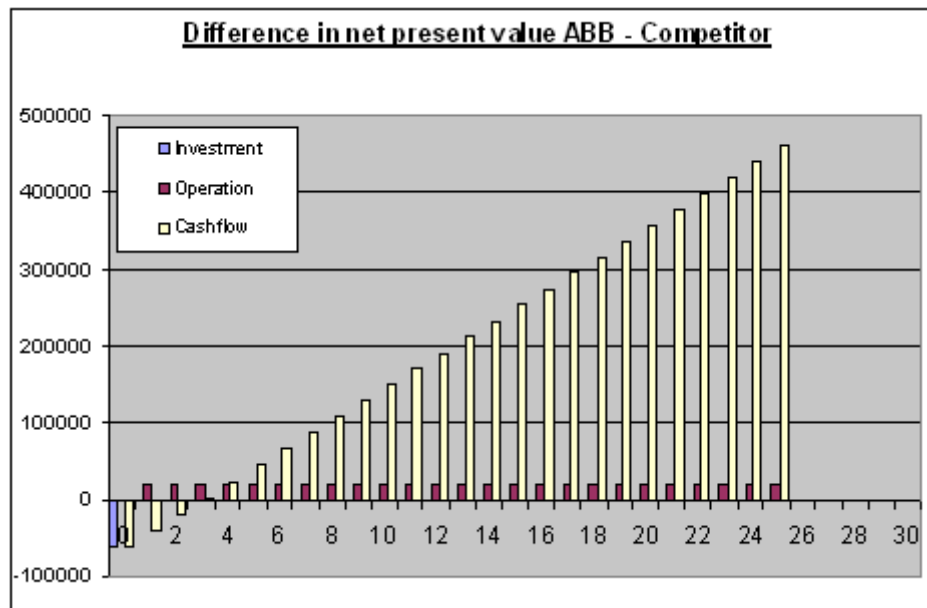


LCC examples – Example 3

Comparative LCC evaluation of transformers

A tool was developed to show customers the advantages of new and improved transformer. The new transformer has a higher purchasing price but several advantages, such as, lower losses, better at withstanding shortcuts, less maintenance and service.

The user enters technical and economical data. The result is presented in the graph below.



Explanation: The difference in purchasing price can be seen as the blue column at year 0. The red columns are the yearly cost savings (from lower losses, less service and higher reliability) by purchasing the new transformer. The yellow columns are the accumulated profits. The new transformer has a pay-back time of less than three years.

The tool also makes an evaluation of the environmental impact of losses:

