Abstract

Automated warehouses are frequently used within the industry. SQL databases are often used for storing various kinds of information about stored items, including their physical positions in the warehouse with respect to X, Y and Z positions. Benefits of this includes savings in working time, optimization of storage capability and – most of all – increased employee safety.

IT services company Sogeti's office in Karlstad has been looking into a project on behalf of one of their customers to implement this kind of automated warehouse. In the pilot study of this project, ideas of a three-dimensional graphic visualization of the warehouse and its stored contents have come up. This kind of tool would give a warehouse operator a clear overview of what is currently in store, as well as quick access to various pieces of information about each and every item in store. Also, in a wider perspective, other types of warehouses and storage areas could benefit from this kind of tool.

During the course of this project, a graphical visualization tool for this purpose was developed, resulting in a product that met a significant part of the initial requirements.