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VTT promotes the realisation of innovative solutions and new businesses by foreseeing the future needs of its customers already in strategic research.

With its 2,700 employees, VTT is the largest research organization in Northern Europe. VTT's Ventures operation creates profitable and growing technology and wellbeing as well as more effective use of VTT produced Intellectual Property Rights.

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## UNIFIER

### PROBLEM

Correctness of processed information has become a competitive advantage for a company operating in electronic business with increasing amount of stored data. As customer information is often gathered from multiple sources, customer databases may contain duplicates and incorrect contact information which can incur both marketing and shipping expenses.

### INVENTION

Unifier is a software developed by VTT to ensure the quality and usability of textual information processed in a company. Unifier identifies e.g. misspellings, differences in word order, and synonyms or abbreviations, which are defined in domain specific thesaurus. Unifier also provides the means to eliminate erroneous or unclear information already in the production phase, and thus makes it easier to find, analyse and further exploit information.

### SOLUTION

Unifier assists in identification of duplicates and incorrect records in databases. A database such as customer register can be checked for duplicates or the data can be unified using a reference base, e.g. a street name register. Several databases can be integrated by comparing selected fields of the data records. Unifier performs unification of records of two databases before merging. The correction rules as well as the balance between automatic correction and user's control can be configured to meet the characteristics of the specific purification case. Unifier is languageindependent and in addition to database processing, it can be integrated with other software.

VTT is looking for an industrial partner to commercialize the invention.