The TEKES project at Åbo Akademi University, is given on this poster. The project, carried out by the Process Design Laboratory, Technical Research Centre of Finland, VTT, (2000-2003). The research work at the Process Design Laboratory at Åbo Akademi University has been focused on developing mixed integer non-linear optimization methods, while at the same time considering how certain industrial process integration problems can be solved in an efficient and sufficiently exact way. The three different research groups, within this project, have carried out their sub projects independently but all sub projects have supported each other in the exchange of knowledge and also in the exchange of results.

In the first sub project, carried out by the Process Design Laboratory at Åbo Akademi University, the focus has been on mixed integer non-linear programming (MINLP) methods with applications. In the second sub project, carried out by the Systems Analysis Laboratory at Helsinki University of Technology, mixed integer linear programming (MILP) methods have been developed and applied. Finally in the third sub project, carried out by the Research Centre of Finland, VTT Processes, Tampere, the focus has been on multi-objective optimization.

Some additional information about the first sub project, carried out by the Process Design Laboratory at Åbo Akademi University, is given on this poster.

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