Virtual Plant-Wide Management and Optimisation of Responsive Manufacturing Networks (VIP-NET):
An EC Collaborative Research Project

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Abstract
This work describes some of the research and technological developments achieved in the course of VIP-NET, a large EC funded project in the area of manufacturing. A comprehensive strategy and several computer-aided tools have been developed for the optimal management of both complex manufacturing networks and their individual components taking into account a multitude of objectives. Particular emphasis in placed on the description of real life case studies provided by the industrial partners of the consortium.

Keywords: Scheduling; Planning; Supply Chain Management; Optimisation Techniques

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