

Abstract

Provided is a chemical product production system that can efficiently utilize the capacity of a plurality of existing chemical plants (chemical product production plants) to achieve overall optimization of the production and supply of chemical products.

In the chemical product production system that effectively utilizes a plurality of chemical plants, a management server and a user terminal of each of a plurality of chemical plants are connected through a network. The management server is provided with: various databases for collecting and accumulating user-specific ID numbers and information that is transmitted from each user terminal and pertains to a plant operating status by chemical product, and information on a supply forecast and a demand forecast by chemical product for a certain time period in the future; a difference calculation function unit that calculates a difference between the demand forecast and the supply forecast; a simulation function unit that allocates the difference to one or more chemical plants and simulates a production plan, etc.; and a transmission function unit that transmits to each user terminal the production plan and a storage and delivery plan, optimized through the simulation.

[Figure 1]