

LP based OR Applications in Refinery & Marketing Business at OMV

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I started my work for OMV 35 years ago. At this time OMV ran 1 refinery and the marketing business was mainly Austrian based. OMV was the only one state owned oil company and had to provide the Austrian market with mineral oil products. The status of the LP technology at this time was a mainframe based Linear Programming system to solve a linear, continuous and static refinery optimization problem. Since that time OMV became a listed company at the stock exchange and acquired the majority of PETROM, the Romanian oil company . Now OMV runs 3 refineries (Schwechat near Vienna, Burghausen in Germany and Petrobrazi in Romania) and the marketing regions spread out beyond the Austrian borders. By this also the LP model had to be expanded including the usage of progress in LP based technologies during the last decades.