The Necessity of Using an Integrated Management Information System (MIS) in a Portfolio of Oil-Refineries Mega Projects

national iranian oil engineering and construction company NIOEC intends to de bottleneck and revamp the existing nine refineries. The goal isto reduce/minimize fuel oil production, increase gasoline production and upgrade the refineries products to the level of international standards Euro 0 with due consideration of the environmental measures. in addition, NIORDC plans to construct seven new oil refineries in terms of a portfolio of construction projects with the existing nine upgrading projects, aiming at a higher production level of gasoline and other clean and environmental friendly products, gasoline self sufficiency, and exporting more valuable by-products instead of raw crude oil. recent mega oil - refineries projects in iran have all experienced significant delay in construction phase which has consequently led to cost overruns. there are many reasons for these overruns, but based on some investigations, one of the most important factors is poor communication and coordination between different parties.

NIOEC, NIORDC, MIS, portfolio, oil refineries, mega projects, cost overrun, schedule overrun

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