OPC (OLE for Process Control) based Data Process Control System Development for TUPRAS (Turkish Petroleum Refineries Corporation) Aliaga Petroleum Refinery

Turkish Petroleum Refineries Corporation (TUPRAS) and Ege University International Computer Institute's joint research project (funded by TUPRAS)

Abstract

In this project, constructing a data process control system for TUPRAS Aliaga Petroleum Refinery was investigated. Main features of the system consisted of being compliant with OLE (Object Linking and Embedding) for Process Control (OPC) and able to retrieve real time data from the various Distributed Control Systems (DCSs) which are provided by different vendors and dispersed over the whole refinery. Proposed system included OPC servers which retrieve data from those DCSs and OPC clients which access those servers and enable the control of the whole process. Conducted research also covered the design of interfaces required to promote capabilities of DCSs to the OPC level.

Start Date: February 16, 2004

End Date: February 25, 2005

Project Team:

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