



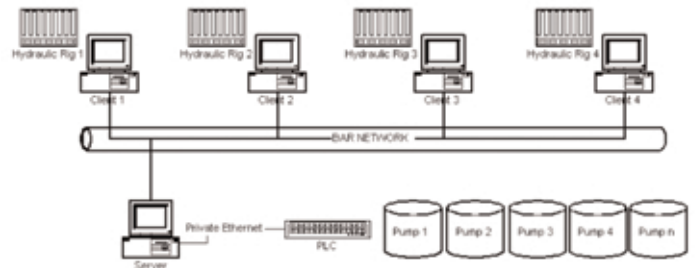
COMPUTER CONTROLLED SOLUTIONS LIMITED

# Distributed Hydraulics Rig Manager

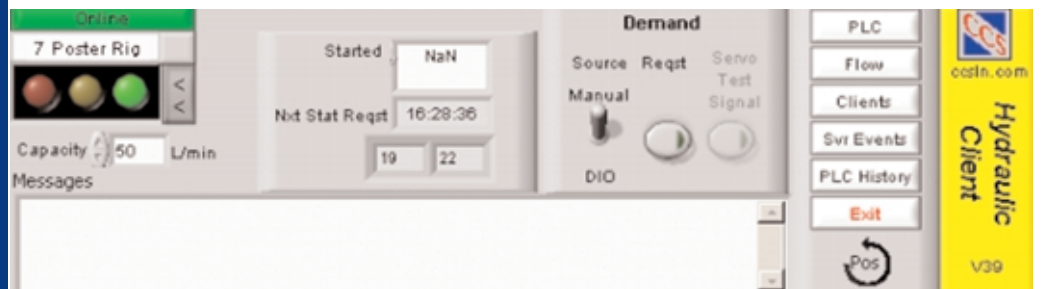
In a company which uses many hydraulic powered test rigs the energy consumption is invariably very inefficient. Some companies will have a hydraulic pack per rig or some rigs may share a hydraulic pack but it will always be fully on in order to supply flow for maximum demand. CCS provided a pump management system which saved energy and logged system use with minimal wiring as it makes complete use of the existing network.



MAIN SCREEN



The pump manager software runs on a host PC which talks via private Ethernet to a PLC based pump controller. The hydraulic system consists of 4 (expandable to 8) pumps which are turned on / off and combined to suit current flow demand.



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Each Rig PC runs an unobtrusive client panel which in summary shows a red lamp to indicate demand for this rig is unavailable, an amber lamp to indicate flow requirements can be met for this rig once an extra pump is turned on, and green to indicate flow demand is immediately available. This software is configured to respond to a manual, Servotest or Instron request for hydraulics. This panel can be further expanded to view all information on rigs using the hydraulics together with historic charting of demands.