

# Rehabilitation of Pre-Treatment Plant



Solution Partner : Automate - Lebanon  
Customer : SHD: Société des Huiles et Dérivés - Lebanon  
Segment : Edible Oil

## Rehabilitation of Pre-Treatment Plant

### Requirements of the customer :

- Full automation and SCADA System
- Provide a suitable automation architecture for the control and monitoring system
- Building a robust control system with a reasonable quality cost target



Solution Partner

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## Implementation by the solution partner :

- S7-1500 CPU1516 3PN-DP equipped with adequate IO System communicating
- Standing out for the up-to-date expert knowledge
- Benefit from future-proof and tailored solutions, which decisively contribute to the lasting improvement of the competitiveness
- TIA V13 SP1 to program S7-1500 and ABB Profibus Library integrated. WinCC V7.3 Redundant Server and two clients

## Benefits for the customer :

- High Availability due to the IPCs architecture: Redundant Servers (2) with two clients
- Production Costs are reduced to the advantages of the programmed SCADA system using WinCC V7.3 with archiving and trending features that allows the user to monitor throughout the production phases all related parameters and functions
- Maintenance costs is reduced by the type of troubleshooting due thanks to profibus Communication built between the PLC and amore than 50 drives. All commissioning and diagnostics is done through profibus



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