



Client

Bottled Water Industries in Lebanon and Abroad

Date

2005 - 2014

Project Description

The purpose of the current projects was to provide the clients with feasibility studies, preliminary and detailed designs including architecture, structure, electrical and mechanical studies in compliance with statutory and regulatory requirements for bottled water sector, Bill of Quantity (BOQ) and specifications, construction supervisions, preparedness to the implementation of GMP and GHP and different prerequisite programs for water and food safety management systems.

Scope of Work

Several Quality by Design and GMP Compliance projects were conducted by ELARD Team and Associates for different bottled water companies as summarized below:

Client	Location	Plant Area (m ²)	Conducted Tasks/ Activities
NOHA NATURAL SPRING WATER	Aindara, Aley	4500	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design - Preparedness to GMP and prerequisite Requirements
ALIYA Bottling Plant	Tarchiche Baabda	2000	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design - Preparedness to GMP and prerequisite Requirements
RAGOLIS	Lagos, Nigeria	5000	<ul style="list-style-type: none"> - Redesigned according to the current GMP Requirements for bottling water
SAIFI BOTTLING PLANT	Aindara, Aley	3500	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design - Preparedness to GMP and prerequisite Requirements
SALICO BOTTLING PLANT	Bourj Chemali, Tyre	1000	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design in compliance with GMP and prerequisite Requirements - Construction Supervision - Bill of Quantities (BOQ), Specification and Cost Estimation - Preparedness to GMP and prerequisite Requirements
AI YANABIH	Deir El Harf, Baabda	700	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design - Preparedness to GMP and prerequisite Requirements
BREEZVALE BOTTLING PLANT	Tannourine, Batroun	10000	<ul style="list-style-type: none"> - Redesign plant layout - Preparedness to GMP implementation
ALCHALLAL Water	Btalloun, Aley	1000	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design - Preparedness to GMP and prerequisite Requirements - Construction Supervision - Bill of Quantities (BOQ), Specification and Cost Estimation
MONTE-KAFRA Water	Ain Zhalta, Chouf	1000	<ul style="list-style-type: none"> - Plant Layout Design and Structural Drawings - Detailed Engineering Design in compliance with GMP and prerequisite Requirements