ARACO LEBANESE FOR ASPHALT S.A.L.
ARACO LEBANESE ASPHALT s.a.l. has become a leading regional contracting company.
ARACO Lebanese Asphalt SAL (ARACO) - founded in Beirut in year 1992 - has built its reputation of excellence for developing an extensive experience of in the use of innovative and cost effective technologies related to civil works, geotechnical and environmental engineering services.

ARACO aims to become the preeminent leader of fast track construction in Lebanon and the Middle East commercial markets, delivering total solutions to its clients.

ARACO’s objective is to ensure optimum client satisfaction; a proven recipe for success. For over 20 years, our list of clients has evolved to include both public and private institutions. In coordination with clients and their representatives, ARACO sets a high standard and specific road map in order to execute the scope of works and meet the requirements within a set time-line.

ARACO’s staff is highly qualified to handle major complex and demanding projects through efficient management, organization, coordination, and team work.

Throughout the development of the company, ARACO has specialized in:

- Infrastructure and Road works
- Environmental Engineering Projects
- Structural and Marine works
- Geotechnical Engineering Projects
Our staff, capital, and our reputation are our assets. We are fully committed to the specifications of the contracts we are signing, as well to the rules and to the ethical principles that govern the contracting industry. We recognize that our continued success depends on this dedication. The mission of ARACO is to offer expert contracting services, based on up-to-date knowledge, quality assurance practices, safety, cost awareness, and timely delivery.

ARACO’s relentless growth and leadership in the industry are the fulfilment of this mission.

Our Vision is to become the regional leader in the construction and commissioning of infrastructure rehabilitation and development projects; ARACO aims to become the specialized construction group delivering premium quality projects and services across the Middle East.

The competitive market condition and aggressive environment in the construction industry prompted ARACO’s management towards seeking quality excellence in all projects.

We implement innovative practices in all our activities, always searching for better solutions to meet the project requirement. As the company has developed, it has chosen a strategy of vertical integration by producing ‘in-house’ many of the materials and services used in its primary activities, and allowing by that for superior project control.
The quality of the services of ARACO is guaranteed. They have earned us what is essential for the company: the trust and confidence of our clients. ARACO is committed to preventing, reducing and eliminating undesired events that could result in a loss, and to protect the interest of the Group - its employees and Clients at all times.

**ARACO’s Quality Control Mandate**

- To accomplish quality objectives by acquiring International certification through an effective documented Quality Assurance System complying with the requirements of international standards institutions.
- To understand our Clients’ requirements and expectations, then to meet or exceed those requirements by performing the correct tasks defect free, first time, on time, every time.
- To maintain and enhance ARACO’s reputation for quality and service by providing and maintaining a pleasant and disciplined working environment, which motivates staff to pursue the highest quality standards in their work.

ARACO’s senior management is well aware that staff is the most valuable asset. This explains why safety always comes first. We are committed ensuring that our workers are offered the safest possible working environment, in order to minimize risks and increase accident prevention. We consider that safety is a determining factor in being successful in our performance and productivity.

**ARACO’s Safety Mandate**

- To maintain standards of occupational health and safety, in order to prevent human injury, accidents, property damage, and loss of process.
- To organize safety standard classes, conducted by company professionals to continuously raise awareness among employees about company safety rules and regulations and the consequences of breaches of those standards.
- To take all necessary measures to ensure that employees abide by safety rules and regulations and that no activity in the workplace constitutes a cause, however minor, for the occurrence of a situation ultimately leading to a crisis.
We have established an excellent reputation in the areas of our expertise and our growing number of staff and skills in this area reflects our commitment to maintaining these high standards. ARACO offers the following specialized services:

**INFRASTRUCTURE NETWORKS & ROAD WORKS**
- Water supply networks
- Storm water networks
- Sewage and waste water networks
- Electrical and Mechanical networks
- Traffic signs and Street Lighting
- Asphalt pavements
- Leveling and compaction to subgrade levels
- Laying sub-base and base course
- Curbstone and concrete channels

**STRUCTURAL & MARINE WORKS**
- Construction and rehabilitation of historical, public, residential, and commercial buildings
- Construction of steel structures
- Micro-piling and jacking
- Shoring systems
- Break waters and Marine walls
- Revetments
- Lagoons
- Flushing systems
- Pump Stations

**ENVIRONMENTAL ENGINEERING**
- Solid Waste Management
- Rubble removal and related works
- Demolition waste and treatment method
- Waste recycling and processing
- Sanitary landfills
- Dump site recovery
- Land remediation and reclamation
- Degasification and gas control systems
- Quarry rehabilitation sites
Today there is a need for maximizing sustainable energy resources and minimizing man’s environmental impact. ARACO experience can maximize recycling processes and solutions while meeting environmental standards. The waste treatment process we undertake begins with a waste management plan: proposing engineering solutions, identifying impacts (EIA Reports), and proceeds by applying methods that maximize positive impacts and minimize negative ones. The treatment and reclamation works include: earthworks (excavation, mining, backfill, and compaction), waste characterization and quantification, sorting, recycling, and processing as well as full-scale treatment methods.
MARINE WORKS

SHORING SYSTEMS

BUILDING CONSTRUCTION
The wide and variable experience of ARACO has been highlighted in the execution of more than 60 projects. Risk, time, and social factors were restraints in many of these projects.

Below is a list of some projects executed by ARACO:

**Protection Works for Port of Saida, Ministry of Public works and Transportation Lebanon**

Casting and Placement of Accropodes (16 m³), Supply and Placement of Quarry run and rocks (0.1-300 Kg / 1-3 ton / 2-5 ton / 3-6 ton / 6-10 ton), Excavation under water and above water, Casting reinforced concrete under water and above, Installation of bollards and rescue stairs, Infrastructure works and connections.

**Rehabilitation of Fishermen’s Port at Dalieh Lebanon**

Casting and Placement of Accropodes (16 m³), Supply and Placement of Quarry run and rocks, Asphalt paving works, Demolishing of existing building, Construction of new buildings, Finishing works for building (cladding, painting, interior works), Prefabricated concrete, Bridge works, Infrastructure works, Electrical works.

**Rehabilitation & Asphalt works for Faraya-Oyoun Al Seman Road Lebanon**

Rehabilitation and treatment of pot holes, Asphalt Pavement and Road Marking of Primary Road (40 Km) and secondary roads.
**Rehabilitation of Beirut Justice Palace, Ministry of Public Works & Transportation, Lebanon**

Structural rehabilitation of the building, micro piling, jacketing of existing columns, treatment of cracks, structural strengthening against earthquakes. Upgrading of mechanical and electrical systems.

**Saraya Aqaba, Saudi OGER LTD - Jordan**

Infrastructure rehabilitation and development included but not limited to earthwork, structural and marine works and activities; Installation of infrastructure networks, side-walk works, culvert works, bridges, underpass access, concrete works, asphalt works, roads and paving, water channels, pumping stations, cascade and control rooms.

**Construction of the Justice Palace - Tripoli, Republic Of Lebanon - Ministry of Public Works - Lebanon**

Construction of the Justice Palace in Tripoli. Works included concrete reinforcing, electrical works, water works and finishing. material adjacent to downtown Beirut.

**Nahr El Bared Camp, UNDP - Lebanon**

Demolition of all structures at NBC, transporting the rubble to the central treatment facilities within the NBC for further sorting, crushing, screening, and then transporting of the treated material to the port of Tripoli where it will be used in the works of extension and rehabilitation of the port. In addition to demining works in collaboration with Lebanese army and United Nations.
Reclamation and Remediation of the Normandy Project, Solidere S.A.L, Lebanon

The project included the excavation, sorting, processing and disposal of 1 million cubic meters of residual inert and unsuitable material adjacent to downtown Beirut. The earthwork activities included backfilling (5 hectares of roads were backfilled to base course layers), leveling and consolidation of clean material at the end of the reclamation and sorting process. In addition, the works under this project included the geotechnical investigation, soil testing and drilling of boreholes for site gas monitoring and assessment, the excavation of trenches and the installation of HDPE pipe networks for passive venting and gas control system at the Park area which account for 70 hectares land area of overall 220 hectares of the sea-reclaimed land.
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Details</th>
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<tr>
<td><strong>Water Plant Construction Project Villages &amp; Areas of Al-Matn, Republic Of Lebanon</strong></td>
<td>Infrastructure rehabilitation, water connection, concrete works and asphalt works at Water Plant Construction Project Villages.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Southern Suburb Project, Republic Of Lebanon</strong></td>
<td>Infrastructure rehabilitation works including cleaning and jetting the existing sewerage networks, culverts, channels and cart away at the Southern Suburb of Beirut.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Dora - Tabarja Highway, CDR, Lebanon</strong></td>
<td>Infrastructure rehabilitation works for Dora - Tabarja 30 km highway roads including side walk works, civil works, asphalt works and curb stone.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Lebanon Roads (Baalback, Zahleh, Baabda, Kouserwan &amp; Northern District), High Relief Committee, Lebanon</strong></td>
<td>Infrastructure rehabilitation works including cleaning and jetting the existing sewerage networks, culverts, channels and cart away at the Southern Suburb of Beirut.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Jeeta - Ayn Seiman Road, CDR, Lebanon</strong></td>
<td>Infrastructure rehabilitation works including side walk works, civil works, asphalt works and curb stone for Jeeta - Ayn Seiman roads.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Beirut City Roads, Republic Of Lebanon - Ministry Of Public Works Lebanon</strong></td>
<td>Infrastructure rehabilitation works including side walk works, culvert works, civil works, concrete works, asphalt works, electrical works, street lighting and urban furniture for Beirut City Roads.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation For ACHRAFIEH Roads Phase III, CDR, Lebanon</strong></td>
<td>Infrastructure rehabilitation works for 12 km roads in Achrareifeh including side walk works, civil works, asphalt works and urban furniture.</td>
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<tr>
<td><strong>Maintenance &amp; Rehabilitation for Beirut City Roads, CDR - Municipality Of Beirut, Lebanon</strong></td>
<td>Infrastructure rehabilitation and civil works including but not limited to culvert works, electrical works, asphalt works, side walk works, street lighting maintenance and urban furniture for Beirut City Roads.</td>
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The crushing facilities and associated equipment owned by ARACO that can be used in rubble and demolition waste removal and transportation include and comprise the procurement, installation, operation and maintenance to the designated operational site(s) the followings; Demolition waste Crushing plants, screening units, handpicking stations on conveyor belts, feedstock conveyors, feed hoppers, and the spare parts.
Location: Shoueifat
SIM - Italy
Model CB/250 Fixed Plant
Capacity: 250 tons/hr.
Storage Bin: 40 tons

Location: Normandy
Area Imer - Italy
Model 2011 - Fixed Plant
Capacity: 160 m³/hr.

Location: Nahr El Mout
Imer - Italy
Model 2012 – Fixed Plant
Capacity: 170 m³/hr.
Location: Dbayeh
Swiss – German Production
Model 2008 Mobile Plant
Capacity: 200 tons/hr.

Location: Jib Jannine
Parker – Made in England
Model CB/260 Fixed Plant
Capacity: 260 tons/hr.
Storage Bin: 150 tons

Location: Bekaa – Mandara
SIM- Italy
Model CB/260 Fixed Plant
Capacity: 260 tons/hr.
Storage Bin: 150 tons

Location: Nahr El Mout
Amman – Switzerland Production
Model CB/240 Fixed Plant
Capacity: 300 tons/hr.
Storage Bin: 60 Tons

Location: Jib Jannine
Parker – Made in England
Capacity: 200 tons/hr.
In order to expedite the sorting and processing of waste materials, ARACO procure a waste processing in conjunction with the rubble crushing plant at the operational site areas to process and separate the waste.

The waste processing plant is designed to process up to 150 tons per hour of pre-sorted input feed. With suitable treatment and disposal of the fine grain output (0 to 30 mm), the vast majority of the input can be re-incorporated as recyclable materials.
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