



Industrial Water and Wastewater Treatment





Company Profile

PACT is a leading EPC Contractor and manufacturer of industrial and municipal water and waste water treatment equipment and plants. PACT products are the result of years of interaction between PACT engineers, end-users and the contractors. PACT Projects are custom built to suit the individual application and the local conditions.

PACT engineers have a broad range of expertise in physical, chemical, biological and membrane process for water and wastewater treatment. In every discipline, PACT provides numerous process choices to solve complex treatment problems effectively and economically.

PACT sales and service network has got global coverage through company-owned regional offices as well as through appointed representatives. This network of service centres and the head office form an integrated organization to serve all users.



Engineering, Procurement, and Construction

PACT references cover the whole spectrum of industries including Chemical, Petrochemical, Pharmaceutical, Metallurgical, Semi Conductor, Automobile, Food Beverage, Power and Toiletry and industries.

PACT provides the best available solution to meet the water treatment and waste water treatment and reclaim/reuse requirements. Typical treatment processes being used:

- **Biological**

(MBR, MBBR, SBR, and Extended Aeration, Anaerobic)

- **Membrane Separation**

(RO, UF, MF, NANO)

- **Ion Exchange**

(Single-Bed, Two-Bed, and Mixed-Bed)

- **Settling and Floatation**

(DAF, GEM, CPI, Lamella)

- **Chemical**

(Neutralization and Precipitation)

- **Sludge Handling**

(Belt Press, Filter Press, Polymer Metering and Conveyors)

- **Filtration**

(Multi-media, activated carbon, iron and manganese)

Manufacturing Facilities

PACT's ISO 9001: 2008, ISO 14001: 2004, and OHSAS 18001 manufacturing facilities lay high emphasis on state-of-the-art and precision steel fabrication machinery covering materials testing, cutting, welding, forming, surface treatment, coating and painting. The technical staff is certified in the different disciplines required to handle carbon steel, stainless steel and steel alloys of different grades. The mechanical (eg. drives and gears) and electrical part (eg. motors, switches and controls) used in PACT's equipment are selected from internationally acknowledged manufacturers. The in-house electrical department designs and assembles the electrical components and control in NEMA classified panels as per specific site requirements. A partial list of products manufactured by PACT manufacturing facilities cover:

- *Belt Filter Presses Complete with Polymer Feeders*
- *Rotating Drum screens*
- *Decaners for Sequential Batch Reactors (SBR)*
- *GEM Advanced floatation, DAF and CPI*
- *Package MBR, MBBR, and Grey Water Treatment System*
- *Package Membrane Separation Skids (RO, UF, MF, NANO)*
- *Other Custom-Built Equipment (PACT or Private Lable)*

CERTIFICATE

Management System as per
ISO 14001 : 2004

In accordance with TUV Middle East procedures, it is hereby certified that

PACT ENGINEERING FZE
P.O. Box 122150, Warehouse P6 - 34,
Saif Zone Sharjah, Sharjah
United Arab Emirates



applies a management system in line with the above standard for the following scope

**Manufacturing, Installation, & Commissioning of Water, Wastewater
Treatment Plants and Utility Systems**

Certificate Registration No. DAC 04 00128 - 001
Audit Report No. 13000306

Valid until: 12/05/2016



Certification Body

Dubai, 13/05/2012

This certification was conducted in accordance with the TUV Middle East auditing and certification procedures and is subject to regular surveillance audits.

TUV Middle East

P.O. Box 79123, Dubai, UAE

www.tuvme.com



Q. A. Management Structure and Responsibilities

PACT operates a quality assurance system in compliance with BS Code addressing all the criteria referenced within the standard i.e. Management responsibility, Quality System, Contract Review, Design Control, Document Control, Purchasing, Purchaser Supplier Product, Product Identification and Traceability, Process Control, Inspection and Testing, Inspection, Measurement and Test Equipment, Inspection and Test Status, Control of Non-Conforming Products, Corrective actions, Handling storage, Packaging and Delivery, Quantity records, Internal Quality audits, training, Servicing, Statistical Techniques.

The relevant aspects of the organization of the Company and Project Management Structure, showing the inter relationships of the quality assurance functions to other functions; organization of the detailed management structure relevant to any project will be detailed in the specific project quality plan.

The policy of the company management in relations to responsibility and authority for the production of quality in the constructed works is detailed below

Then ultimate responsibility for the quality of the works shall rest with the senior management of the company.



To assist the management in the execution of this responsibility, the company has established a Quality Assurance Department. This department is independent of commercial and contractual constraints.

The quality assurance department shall be responsible to the management for the structuring, maintenance and monitoring including internal auditing of implementation of the company's quality system. The head of the quality assurance shall be designated as the Management Representative. This shall be the final authority and is authorized to represent the company on all matters pertaining to the application of quality system.

Senior Management has delegated responsibility and authority for the application of the quality assurance procedures on construction projects to the relevant Area Manager.

CERTIFICATE

Management System as per
ISO 9001 : 2008

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P.O. Box 122150, Warehouse P6 - 34,
Saif Zone Sharjah, Sharjah
United Arab Emirates



applies a management system in line with the above standard for the following scope

**Manufacturing, Installation, & Commissioning of Water, Wastewater
Treatment Plants and Utility Systems**

Certificate Registration No. DAC 03 00128-001
Audit Report No. 100003355

Valid until 12/08/2015


Certification Body

Dubai, 13/08/2012

This certification was conducted in accordance with the TUV Middle East auditing and certification procedures and is subject to regular surveillance audits.

TUV Middle East

P.O. Box 79123, Dubai, UAE

www.tuvnord.com





Quality Records

Demonstration of Compliance:

Quality records shall be maintained to demonstrate achievement of the required quality and effective operation of the quality system. Record keeping shall be coordinated and indexed to endure their easy access

Type of records:

Records shall be maintained for all elements of the Quality systems such as :

- **Inspections**
- **System Audits**
- **Vendor Appraisals**
- **Material Certification**
- **Calibration of Inspection and testing Equipment**
- **Control of conforming Items**
- **Correction Action**
- **Test, approval and audits by clients and agencies**
- **Certifications of Approval of personnel and process.**
- **Sub contractors Quality records**

Records shall be kept active for the period specified in the contract. and shall be made available upon request to the client representative.

Records shall be stored in a suitable environment to minimize deterioration or damage and to prevent loss.

Internal Quality Audits

Audits according to Quality Plan:

The quality system is subject to regular audit. An audit plan is included in each quality plan. Procedures for auditing are held by the Quality Assurance Department.

The Principal Types of Audits are

- Audits of the in-house activities to check that the stipulated procedures are being followed
- Audits of suppliers or sub contractors to establish the level of confidence in their quality system

Formal and Informal Audits

Audits may be formal which are comprehensive or alternatively informal audits which carried out randomly on elements of the system by the Quality Assurance Engineer or by visiting Quality Assurance Personnel.



Environment, Health Safety (H&S) Policy Statement

Its PACT's general duty to ensure a safe place of work and safe means of access to and from the place of work.

This requirement which applies to all construction work, applies equally to places of work in the ground, at ground level and at height. In essence, it requires that "all practicable" steps should be taken to provide for safety and to endure no risk to health, to achieve "zero accident" site.

Pact's Environment Safety And Health Plan Covers The Following Main Topics. Each Topic Heading Is Followed By A Detailed Plan Specific To The Circumstances An Nature Of Wrok Of A Particular Contract.

Responsibilities and Lines of Authority

Detailing EH & S chain of command, duties and penalties of all personnel on project site.

Background Information

Detailing the nature of work to be executed to be able to determine site-specific hazards and controls.

Hazards Site – Specific and Controls

Covering as a minimum:

- Fire • Vehicles
- Precautions against falls
- Doors and gates
- Falling objects
- Enclosed areas
- Work on structures
- Chemicals etc
- Traffic routes



Pre-work meetings

Before work PACT will make sure that the place of work is inspected on a daily basis by the site manager, who must be satisfied that the work can be done safely. Following inspection, written reports are made by the site manager. A meeting is conducted with the workers on a daily basis before commencement of work to make sure that those doing the work have knowledge of and understand the importance of practices. Inspections help to ensure that safety is monitored during changing site conditions. Reports detailing inspections are generally required every time an inspection is carried out.

Reporting

Periodic reporting to clients as well as specific incidences as they occur.

Lower Tier Subcontractors and Suppliers
PACT's entire lower tier subcontractors at all levels will follow this safety plan and document in writing that they will adopt this plan.

Training

All of PACT workers including the lower tier subcontractors at all levels will go through initial site training before they can go to work.

Medical Support

Detailing Medical and first aid facilities on and off site.

Safety and Health Assessment by Clients or Third Party

Periodic inspections of EH & S condition at project site by client or third party.

CERTIFICATE

Management System as per
OHSAS 18001 : 2007

In accordance with TÜV Middle East procedures, it is hereby certified that

PACT ENGINEERING FZE
P.O. Box 122150, Warehouse P6 - 34,
Saif Zone Sharjah, Sharjah
United Arab Emirates

PACT

applies a management system in line with the above standard for the following scope:

**Manufacturing, Installation, & Commissioning of Water, Wastewater
Treatment Plants and Utility Systems**

Certificate Registration No.: DAC 05 90128 - 001
Audit Report No.: 10000007

Valid until: 12/08/2012



Certification Body

Dubai, 13/05/2012

This certification was conducted in accordance with the TÜV Middle East auditing and certification procedures and is subject to regular surveillance audits.

TÜV Middle East

P.O. Box 79123, Dubai, UAE

www.tuvme.com





Tools and Equipment

Tools will be used in the manner described by the manufacturer. This included used of plugs on electrical cords, not removing guards on power tools, using the right type of grinder wheel on a grinder. This will be part of the training extended to the workers. No job made tools will be used.

All vehicles on the construction site will have an alarm that automatically sounds when the vehicle goes into reverse. An alternative would be to commit to a person walking beside the vehicle as it goes backwards and watches to make sure that no one gets behind the vehicle and if they do, the person will stop the driver.

Temporary electrical wiring/cords will use ground fault circuit interrupters (GFCI)

In case of use of a power actuated tool (e.g. nail gun), the operator of the tool will be trained and certified by the manufacturer of the tool that he can operate the tool safely.

Personal Protective Equipment

The minimum level of PPE is:

Workers will wear eye protection equipment and hard side shields (safety glasses) manufactured to applicable ANSI standard, 100% of the time on the projects. This applies to prescription eyewear as well. Safety glasses can be removed in office, lunch/change areas or awhile entering or leaving the jobsite unless exposures are present.

Ear protection will be worn around equipment during demolition.

Workers will wear sturdy leather work shoes or boot (no sneakers or sandals)

Workers will wear hard hats 100% of the time on projects, manufacturers to the applicable ANSI standard worn with the brim forward.

Workers will wear long pants.

Workers will wear a shirt, with no less than 4" sleeves.

Dust masks will be worn during material demolition and dusty conditions.

Housekeeping

As a minimum the work area will be kept clean and neat as the work progress as well as sanitary facilities provided for the workers on site.

PACT Water / Waste Water Treatment Projects

Partial List of References in UAE



Client	Location	Description
Al Rawabi	Dubai	1000 Cu.M./Day BWRO
Al Waha Electro-Mechanical Co.LLC	Sharjah	300 Cu.M./Day Filtration System
Al Safa Contracting	Ajman	190 Cu.M./Day HBRO
Bab Albahr Hotel	Ajman	40 Cu.M./Day BWRO
Binthani	Abu Dhabi	100 Cu.M./Day BWRO
Bemco Contracting	Abu Dhabi	180 Cu.M./Day BWRO
Cyrus Engineering & Contracting Co. FZE	Ajman	50 Cu.M./Day SWRO
Castle Construction	Dubai	100 Cu.M./Day Water Softener
Descon Engineering	Abu Dhabi	500 Cu.M./Day Compact Sewage Treatment (MBBR)
Envicon Labor Camp Shah	Dubai	244 Cu.M./Day HBRO
ETA-Zenath	Dubai	330,000 GPD Containerized BWRO
Evershine Trading LLC	Dubai	100 Cu.M./Day Water Softener and Pressure Sand Filter
ETA-Zenath	Ras Al Khaimah	Supply Clarifier for STP System
EMCO	Abu Dhabi	150 Cu.M./Day BWRO
Exotica	Abu Dhabi	300 Cu.M./Day HBRO
Ghantooth Labour camp Shamkha	Abu Dhabi	1000 Cu.M./Day BWRO
Granite Construction Company	Abu Dhabi	120 Cu.M./Day BWRO
Gulf food Industries	Dubai	Water filtration plat
Jeema Water	Dubai	Mineral Water Filtration
Nalco - JBF RAK	Ajman	Effluent Treatment Plant UF - RO - 9660 Cu.M./Day
Pepsicola - Dubai Refreshment	Dubai	1000 Cu.M./Day Filtration System
Sharan Engineering & Electro-Mechanical Co. LLC	Sharjah	75 Cu.M./Day BWRO
Pivot Engineering	Al Ain	16,000 GPD
Salim Al Ghaffi	Al Ain	30,000 GPD BWRO

PACT Water / Waste Water Treatment Projects

Partial List of References in UAE



Client	Location	Description
Eagle Electro-Mechanical Co.	Dubai	Supplying the SBR Equipment (Decanter Arms) - Floating SBR
Descon Engineering	Abu Dhabi	400 Cu.M./Day MBBR
Emirates Float Glass LLC	Abu Dhabi	300 Cu.M./Day Effluent Treatment Plant (MBBR)
Granite Construction Co.	Abu Dhabi	250 Cu.M./Day Compact Sewage Treatment Plant (MBBR)
Khaleej Sugar	Abu Dhabi	100 Cu.M./Day Compact Sewage Treatment Plant (MBBR)
National Petroleum Services	Abu Dhabi	30 Cu.M./Day Compact Sewage Treatment Plant (MBBR) 80 Cu.M./Day MBBR Blending Unit
Spacemaker - Zukum Artificial Island Accommodation (Camp1)	Abu Dhabi	120 Cu.M./Day Seawater Reverse Osmosis 80 Cu.M./Day MBBR Blending Unit Sewerage Lifting Station
UAE Armed Forces Zayed Military Cite	Abu Dhabi	Civil & MEP works: 600 m ³ / Day Sewerage Treatment Plant Civil & MEP works: 600 m ³ / Day
Adnan Safarini	Sharjah	200 KLD Grey Water Treatment Plant
Al Hamad Contracting	Sharjah	518 Cu.M./Day Filtration System
Fresh Air Engineering and Maintenance Co.	Sharjah	150 Cu.M./Day BWRO
Iwan Hotel	Sharjah	50 Cu.M./Day Grey Water Treatment Plant
Jelfar Star Alganem Office Building	Sharjah	50 Cu.M./Day Grey Water Treatment Plant
Life Ilne Trading Co.LLC	Sharjah	200 Cu.M./Day Grey Water Treatment Plant 50 Cu.M./Day Filtration System

PACT Water / Waste Water Treatment Projects

Partial List of References in UAE



Client	Location	Description
Neptune Contracting	Sharjah	140 Cu.M./Day Grey Water Treatment Plant
Orrient Irrigation	Sharjah	100 Cu.M./Day Grey Water Treatment Plant
Ruby Hotel	Sharjah	100 Cu.M./Day Grey Water Treatment Plant
Time Properties Labour Camp, Shajad Sharjah	Sharjah	50 Cu.M./Day Grey Water Treatment Plant
Transgulf	Ajman	40 Cu.M./Day Grey Water Treatment Plant
Archirodon	Ras Al Kaimah	200 Cu.M./Day MBBR
RAK - PWD	Ras Al Kaimah	Sewerage Treatment Plant MEP works: 40 MLD
Arabtech	Fujairah	150 Cu.M./Day Grey Water Treatment Plant
Elite Ventures FZC	Fujairah	50 Cu.M./Day Filtration System 50 Cu.M./Day Compact Sewage Treatment Plant (MBBR)

PACT Water / Waste Water Treatment Projects

Partial List of References in KSA



Client	Location	Description
GETCO	Jeddah	800 Cu.M./Day 10 unit containerized Reverse osmosis plant
SBG M & E Contractor	Jeddah	580,000 GPD SWRO 246,000 GPD SWRO
Vashnah Group Co.	Riyadh	100 Cu.M. / Day Compact Sewage Treatment Plant (MBBR)
SICEP General Contractor	Riyadh	132,000 GPD Sewage Treatment Plant
Ciconest	Riyadh	80,000 GPD Sewage Treatment Plant

PACT Water / Waste Water Treatment Projects

Partial List of References in Oman



Client	Location	Description
Military of Defense	SOA (IZKI)	Sewerage Treatment Plant MEP works: 850 m ³ /Day
Public Establishment of Industrial Estate	Nizwa	Sewerage Treatment Plant MEP works: 500 m ³ /Day
Coca-cola	Sultanat Abad	300 Cu.M./Day BWRO Two Pass
Al Buraimi & Mahadha	Sultanat Abad	320 Cu.M./Day BWRO + Pump

PACT Water / Waste Water Treatment Projects

Partial List of References in Kuwait



Client	Location	Description
Civil of Defense	Kuwait	400 Cu.M./Day Compact Sewage Treatment Plant (MBBR)
Kuwait Institute Scientific Researches	Kuwait	Two Bed Deionizer and Instruments
Kuwait	Safat	Filtration System and Water Softener
Sabiya Power Plant	Safat	200 Cu.M./Day Demin Water Treatment Plant
Kharafi National	Khiran	3,800 Cu.M./Day SBR System



Industrial and Municipal
Water & Wastewater Treatment

PACT Water / Waste Water Treatment Projects

Partial List of References in IRAQ



Client	Location	Description
Ministry of Municipalities & Public works (MMPW)	Baghdad	16,000 Cu.M/ Hr Water treatment Plant
Ministry of Municipalities & Public works (MMPW)	Karbala	Supply 16 nos Clarifiers for Water Treatment Plant
ALMCO Trading FZCO (Concrete Factory)		100 Cu.M./Day BWRO 130 Cu.M./Day
ALMCO Trading FZCO (ENI)	Baghdad	Compact Sewage Treatment Plant (MBBR) 160 Cu.M./Day
ALMCO Trading FZCO (SLB)		Compact Sewage Treatment Plant (MBBR)
American Army	Baghdad	16x1,267,200 GPD, 16x200 Cu.M./Hr Water Filtration System
ARDH Alfadel General Contracting Co. (Exxon)	Iraq	2x62.5 Cu.M./Day BWRO
Ministry of Housing	Baghdad	10 Nos. Clarifier for Water Treatment System
Ajman Contracting	Baghdad	800 Cu.M./Day, Compact Sewage Treatment Plant (MBBR)
Baker Hughes	Basrah	2x50 Cu.M./Day BWRO - Containerized, Compact Sewage Treatment Plant (MBBR) 1x50 Cu.M./Day Grey Water Treatment Plant
Bechtel	Baghdad	1,600 Cu.M. Concrete Underground Tank - Sewage Treatment and Compact Water Treatment Plant (MBBR)
ENKA General Trading	Baghdad	120,000 GPD BWRO for Make up Water to Boiler Feed
Flour Amec	Baghdad	Surge Control System for Erbil City Supply Equipment as General Trading
KBR	Karbala	50,000 GPD Reverse Osmosis 16x200 Cu.M./Day, Compact Water Treatment Plant (WTP)
KBR	Baghdad	800 Cu.M./Day, Compact Sewage Treatment Plant (MBBR)

PACT Water / Waste Water Treatment Projects

Partial List of References in IRAQ



Client	Location	Description
South Oil Company SOC / ENT	Zubair Field	475 Cu.M / Day Compact SWRO and Sewage treatment package (MBBR)
Baker Hughes - SOC	Bab Al Zubair	2x15 Cu.M./Day Compact Sewage Treatment Plant (MBBR)
Pan East	Jordan	475 Cu.M./Day MBBR
Taj Gas	Baghdad	800,000 GPD BWRO for Make up Water to Boiler Feed
Spacemaker	Iraq	15 Cu.M./Day MBBR 10 Cu.M./Day Filtration System

PACT Water / Waste Water Treatment Projects

Partial List of References in IRAN



Client	Location	Description
Kordestan Petrochemical Complex	Sanandaj	Water Treatment Boiler Firefighting Packages
Illum Petrochemical Complex (Norahan Sanaye Co.)	Illum	280 Cu.M./Day BWRO Package 150 Cu.M./Hr Demin Package
Abva Fazela Co.	Zahedan	6x1500 Cu.M./Day BWRO
DSP	Save	220 Cu.M./Day BWRO
ICAT for Ifohan City Center	Isfahan	600 Cu.M./Day MBBR
N.I.O.C (Neka Oil Co.)	Neka	253,400 GPD Oil Water Separator
Ministry of Energy	Tehran	6x1440 Cu.M./Day Containerized Brackish Water RO
Mobarakeh Steel Factory	Istefan	4,120,000 GPD Two Pass RO
South Raadab Co.	Iranian Islands	5,600 Cu.M./Day SWRO
South Raadab Co.	Hengam Island	180 Cu.M./Day SWRO
South Raadab Co.	Qeshm Island	5000 Cu.M./Day SWRO
Water & Waste Water Authority	Likak Yasoj	2000 Cu.M./Day BWRO Fully Skid



Industrial and Municipal
Water & Wastewater Treatment

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
PZ CUSSONS, Manufacturer of cosmetics, toilet- ries and pharmaceuticals	China	2000 m ³ /day Industrial Wastewater Treatment plant. Major treatment process includes: • Coagulation and flocculation • Dissolved air flotation • SBR type of biological
Hewlett Packard / Bechtel, Parsons Brinckerhoff Manufacturer of inkjet printer and ink-cartridges	China	100 m ³ /day Industrial wastewater / domestic sewage treatment plant
Hagenuk A German manufacturer of refrigeration equipment	China	Heavy metal treatment (Chromate, CN & F) & ion-exchange recycling. • Chemical batch treatment plant • DI water treatment plant
SmithKline Beecham/Hooker Cockram Manufacturer of pharmaceuticals	China	100 m ³ /day Industrial wastewater / domestic sewage treatment plant. • Water treatment plant
EATON, Manufacturer of engine valves	China	Industrial wastewater treatment by membranes (UF) separation • biological • DI water treatment plant
Johnson & Johnson, Manufacturer of skin-care and pharmaceutical products	China	Industrial wastewater treatment by • Membranes (UF) separation • MSABP type of biological
Chevron / Fluor Daniel Manufacturer of polystyrene product	China	300 m ³ /day Industrial wastewater (styrene, oil and COD removal) using: • Oil separation • Coagulation and flocculation • Dissolved air flotation • Biological
Bechtel, Power plant, 660 MW	China	• 26,000 gpd package biological wastewater treatment • Pump Stations

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Caterpillar, Manufacturer of excavators	China	Industrial wastewater treatment (oil, BOD and COD) using <ul style="list-style-type: none"> • Coagulation and flocculation • DAF • Biological
PepsiCo Foods / TRA Manufacturer of potato chip	China	600 m ³ /day Industrial wastewater treatment plant using <ul style="list-style-type: none"> • Rotary screen • Bio-tower type of biological • Surface aeration type of biological Clarifiers • Belt filter press sludge dewatering
ATOFINA/ Raytheon, Manufacturer of hydrogen peroxide (H ₂ O ₂)	China	200,000 gpd industrial wastewater treatment based on <ul style="list-style-type: none"> • pH neutralization • Biological surface aeration • Fenton Process • Sludge dewatering
SAIC / Eisenmann, Car part metal finishing facility	China	<ul style="list-style-type: none"> • Industrial Water Treatment Plant • Batch reactor system for industrial wastewater
Inco / BECA, A Canadian fine chemical manufacturing plant	China	Custom-built sludge dewatering filter presses system (Supplier of major equipment, exclude installation)
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	Industrial wastewater / domestic treatment plant, 250 m ³ /day
Lederle-Wyeth/Gammon An American pharmaceutical manufacturing plant	China	Industrial wastewater treatment by SBR type biological process
SAIC / Eisenmann,	China	<ul style="list-style-type: none"> • Industrial Water Treatment Plant • Batch reactor system for industrial wastewater

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
SAIC / Eisenmann ,	China	<ul style="list-style-type: none"> • Industrial Water Treatment Plant • Batch reactor system for industrial wastewater
Pepsi-Cola, Tianjin /TRA An American beverage manufacturer	China	1000 m ³ /day Industrial Wastewater Plant by anaerobic & aerobic process. <ul style="list-style-type: none"> • UASB type of anaerobic process, with gas flare system • Surface aeration process • Clarifiers • Sludge dewatering
Pepsi-Cola, Beijing / HATCH An American beverage manufacturer	China	20 m ³ /h Industrial water treatment plant, RO system
BSP - Transportation A Canadian manufacturer of Metro train product	China	Industrial Water Treatment Plant, 3 m ³ /h Industrial Wastewater Treatment Plant, for phosphate wastewater
General Mills / BECA An American Food manufacturer	China	30 m ³ /h Industrial water treatment plant.
National Starch An ICI (American) company manufacture Chemicals	China	Industrial wastewater treatment plant, from average raw water of 20,000 COD to treated 300 COD. Using <ul style="list-style-type: none"> • Coagulation, flocculation and clarifier • Surface aeration process • Multimedia filtration • Sludge dewatering
Aventis / Technip A French chemical manufacturer A subsidiary of Bayer Co.	China	Water treatment Plant Equipment <ul style="list-style-type: none"> • Cooling tower water system equipment (Process and detailed design, supply of part of the equipment)
SINOPEC A Petrochemical plant for Iran	China	500 m ³ /day Industrial wastewater treatment (Process and detailed design, and supply of all equipment, installation was completed by the client)

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Harrmann Reimer / Bovis Lend Lease A Germany chemical manufacturer, A subsidiary of Bayer Co.	China	<ul style="list-style-type: none"> • Industrial Water treatment Plant, Treatment process includes multimedia filter, activated carbon filter, softeners, reverse osmosis, etc. • Industrial wastewater treatment plant, surface aeration biological process
Grace / IDC A Taiwanese Semi-conductor manufacturer	China	600 m ³ /day sewage treatment plant, (Turn key project including civil construction)
Schattdecor / Zublin A German decoration paper manufacturer	China	Industrial wastewater treatment, with treatment process of <ul style="list-style-type: none"> • Coagulation, flocculation and settling • Surface aeration biological process • Ultra-filtration.
Auchan / HATCH A French supermarket chain	China	Potable water treatment system
Eastman Chemical An American Chemical manufacturer	China	250 m ³ /day Industrial wastewater treatment Oil separation <ul style="list-style-type: none"> • Anaerobic type of biological process • Surface aeration biological process • Clarifiers • UF and nano membrane separation.
Auchan / HATCH A French supermarket	China	Potable water treatment system
Eastman Chemical An American Chemical manufacturer	China	300 m ³ /day Industrial wastewater treatment, <ul style="list-style-type: none"> • Oil separation • Coagulation and flocculation • Dissolved air flotation • Surface aeration biological process • Clarifier • Multimedia filtration

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
ANSC-TKS Galvanized steel manufacturing facility; A joint venture of ThyssenKrupp Stahl (Germany) and Angang New Steel	China	30 m ³ /h industrial water treatment plant. Treatment process includes: <ul style="list-style-type: none"> • multimedia filters, • activated carbon filters, • reverse osmosis, • mixed bed exchangers, etc.
Zwilling A German kitchenware manufacturer	China	5 m ³ /h industrial water/wastewater treatment plant. Treatment process includes <ul style="list-style-type: none"> • multimedia filter, • activated carbon filter, • cation exchangers, • anion exchangers, and all ancillary work.
ANSC-TKS Galvanized steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Angang New Steel	China	2550 m ³ /h industrial cooling water treatment plant, includes: <ul style="list-style-type: none"> • cooling towers, • water treatment facilities, • pump stations and ancillary works.
Raisio Chemicals / TOYO A Finish chemical manufacturer	China	10 m ³ /h industrial wastewater treatment plant. Treatment process includes <ul style="list-style-type: none"> • Coagulation and flocculation • Clarifier • Multimedia filtration
Raisio Chemicals / TOYO A Finish chemical manufacturer	China	40 m ³ /h industrial water treatment plant. Treatment process includes <ul style="list-style-type: none"> • multimedia filter, • activated carbon filter, • cation exchangers, • anion exchangers, and all ancillary work.
Hanglas – SAINT GOBAIN A Franco-Korean glass manufacturing joint venture.	China	35 m ³ /h industrial water treatment plant. Treatment process includes <ul style="list-style-type: none"> • multimedia filter, • activated carbon filter, • reverse osmosis • mixed bed exchangers

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Hanglas – SAINT GOBAIN A Franco-Korean joint venture of glass manufacturer	China	115 m ³ /h industrial coolant water treatment and recycling system. Treatment process includes • primary clarifier • Multi-stage filtration • Secondary clarifier • Sludge dewatering
JOST A German auto component manufacturer	China	• DI water treatment plant • Batch reactor system for phosphate wastewater
Rittal A German industrial panel enclosure manufacturer	China	Industrial wastewater treatment plant for phosphate and e-coat wastewater
Firmnich A Swiss flavor manufacturer	China	Industrial wastewater treatment plant • Oil separation • Coagulation, flocculation and DAF • Carbon Adsorption Sludge Dewatering
SMIC A Taiwanese chip manufacturer	China	Ammonia wastewater treatment plant replacing system installed by others
GE Betz An American / German chemical manufacturer	China	Industrial wastewater treatment plant, treatment process includes: • Oil separation • Coagulation, flocculation and DAF • Fenton Process • Multi-stage biological process
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	Oily wastewater treatment plant (Design Stage)
Shell / Bechtel	China	CIP oil separation system
SMIC A Taiwanese chip manufacturer	China	1200 m ³ /day Organic wastewater treatment plant Treated water to the cooling towers • Fenton Process as pre-treatment • Chemical reduction • Biological process • Multimedia filtration

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	<ul style="list-style-type: none"> • Neutralization plant for industrial wastewater
Coca Cola An American beverage manufacturer	China	500 m ³ /day Industrial Wastewater Plant by anaerobic & aerobic process. <ul style="list-style-type: none"> • UASB type of anaerobic process, with gas flare system • Surface aeration process • Clarifier
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	<ul style="list-style-type: none"> • Cooling Water Plant • Sludge Disposal Equipment • DI Water Recirculation Plant
Dong Feng BBS / Eisenmann, Car part metal finishing	China	<ul style="list-style-type: none"> • Industrial Waste Water Treatment Plant • Batch reactor system for industrial wastewater
Ningbo Mitsubishi Chemical Co., LTD Manufacturer of PTA	China	7,800 m ³ /day wastewater treatment plant <ul style="list-style-type: none"> • Two Stage of aeration with tube diffusers • Primary and secondary clarifiers • Recycled sludge coolers • Chemical flocculation and coagulation • Centrifugal dehydrator
Suzhou Capsugel Manufacturer of pharmaceuticals	China	<ul style="list-style-type: none"> • 400 m³/day Industrial Water Treatment Plant • MBBR process • Centrifugal Sludge Separation • Biological Odor Control

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Bluescope Steel Manufacturer of Cold Rolled Coated Steel	China	1,400 m ³ /day Industrial Waste Water Treatment Plant • Oil & Grease Separation and removal • Chrome reduction • Lime Stabilization • DAF Clarification • Sand Filtration • Carbon Adsorbtion • Sludge dewatering, handling & Storage
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	• Industrial water circulation system
Bluescope Steel Manufacturer of Cold Rolled Coated Steel	China	50 m ³ /hour Industrial Water treatment plant • Sand Filtration • Carbon Adsorbtion • Ion exchangers
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	Cooling Water Circuit for Furnace, 1000 m ³ /hour • Settling and clarifiers • Scale removal by clow type crane • Sand filters • Cooling towers system with chemical feeding • Water reclaim by filter press system
Krupp Stainless steel manufacturing facility A joint venture of ThyssenKrupp Stahl (Germany) and Shanghai Bao Steel	China	• Cooling water circuit for HAPL, 50 m ³ /hour • Sewage treatment plant, Phase II expansion
EATON, Manufacturer of auto components	China	• Process DI water treatment plant • Process wastewater treatment plant

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Givaudan Manufacturer of flavor	China	Industrial wastewater treatment <ul style="list-style-type: none"> • Free oil separation • pH adjustment • Chemical coagulation, flocculation and DAF • Multi-stage biological processes
L'Oreal Manufacturer of cosmetics	China	Industrial wastewater treatment <ul style="list-style-type: none"> • Chemical coagulation • Chemical flocculation • DAF • pH adjustment • Biological processes • Sand filters and activated carbon filters
Effem Foods An American Food manufacturer	China	Industrial wastewater treatment plant <ul style="list-style-type: none"> • Anaerobic/aerobic biological process (design only)
Effem Foods An American Food manufacturer	China	Industrial wastewater treatment plant <ul style="list-style-type: none"> • Anaerobic/aerobic biological process (design only)
Xiangtan Chemicals & Pigments Co., LTD	China	Industrial wastewater treatment, 1000 m ³ /day <ul style="list-style-type: none"> • pH adjustment • Chemical coagulation • Chemical flocculation • Clarifier • 2-stage Biological processes
Degussa Coating and Colorants A Germany Chemical manufacturer	China	Industrial wastewater treatment plant <ul style="list-style-type: none"> • Chemical flocculation and coagulation • Clarifier • Biological process with Sequential Batch Reactors (SBR)
Plantronics An American ear-phone manufacturer	China	Potable water treatment plant

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Volvo Construction Equipment Co.	China	Industrial wastewater treatment <ul style="list-style-type: none"> • pH adjustment • Chemical coagulation • Chemical flocculation • DAF • Biological processes
Novartis Pharma Co, Ltd. / Foster Wheeler Manufacturer of pharmaceuticals	China	Industrial wastewater treatment, 1000 m3/day <ul style="list-style-type: none"> • pH adjustment • Biological processes with triton aerators • Clarifiers
MANE (Shanghai) Manufacturer of flavor	China	Industrial wastewater treatment, 75 m3/day <ul style="list-style-type: none"> • pH adjustment • Chemical coagulation • Chemical flocculation • DAF • Biological processes
Applied Material, Inc./Ch2m Hill	China	Industrial wastewater treatment <ul style="list-style-type: none"> • Wastewater lift stations • Acid wastewater neutralization system • HF wastewater treatment system • Ammonia wastewater treatment system • Bulk chemical system
Michell Pty Ltd / Hatch	China	1500 m3/day industrial wastewater treatment <ul style="list-style-type: none"> • pH adjustment • Chemical coagulation • Chemical flocculation • DAF • Biological processes

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Coopertires/Ch2mHILL	China	30 m ³ /hour soft water treatment plant
FOXCONN / Electron ndustry	China	20 m ³ /h DI water treatment plant
SACHEM/Ch2m Hill	China	11 m ³ /hour Industrial wastewater treatment • pH adjustment • Active Carbon Filtration
Arkema/Technip	China	Industrial wastewater treatment plant, expansion
ALCOA/Ch2m Hill	China	50 m ³ /hour DI water treatment plant
Capelle A Belgium chemical manufacturer	China	Industrial Wastewater Treatment Plant
Albemarle An American chemical manufacturer	China	25 m ³ /hour DI water treatment plant
SMIC A Taiwanese chip manufacturer	China	50 m ³ /h HF wastewater treatment plant
Arch Chemical An American chemical manufacturer	China	20m ³ /h Industrial Wastewater treatment plant • Chemical coagulation, flocculation and belt filer • Fenton oxidizer • Chemical coagulation, flocculation • Clarifier and sand filter
ALCOA/Ch2m Hill	China	1500 m ³ /day industrial wastewater treatment • UF membrane separation for oil removal • Biological treatment process for organic reduction • Chemical coagulation, flocculation and DAF for solid, oil and phosphate removal

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
Adeka Fine Chemical	China	50m ³ /day phosphate wastewater treatment <ul style="list-style-type: none"> • 5m³/day, HCl concentration: 35%, phosphate>10,000mg/L with phenol • 45m³/day, phosphate>1,000mg/L • Chemical treatment process for phosphate removal
Celanese Chemicals	China	250m ³ /day VAE wastewater treatment <ul style="list-style-type: none"> • 3 stages aerobic selector + aerobic tank • Sand filter • Fenton oxidizer
Hanesbrands Textile	China	Water Softening & Heat Recovery System, 10,000 m ³ /day
Sanofi/Technip	China	Water treatment and heat recovery plant
Xiamen Xiashun Aluminum Foil Co. LTD	China	Industrial Wastewater Treatment Treated WW reclaimed to DI water
AREVA	China	Industrial wastewater treatment plant Treated WW reclaimed to DI water
Dow Corning	China	Wastewater treatment plant
Arkema Chemical	China	Chemical wastewater treatment plant
Tason Food	China	Industrial wastewater treatment plant, 4,370m ³ /day
Hanas	China	Industrial Wastewater Treatment Plant
Galaxy Lithum/Hatch	China	ION Exchanger

PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Client	Location	Description
POSCO	China	Water Treatment System, including following sub-systems: <ul style="list-style-type: none">• One (1) Cr Wastewater Treatment Plant• One (1) Acid/Caustic Wastewater Treatment Plant• One (1) General Wastewater Treatment Plant• One (1) Oily Wastewater Treatment Plant• One (1) DI Water Treatment Plant• One (1) Direct Cooling Water Plant• Seven (7) Indirect Cooling Water Plants• One (1) Industrial Water Plant• One (1) Potable Water Plant
Celanese Chemicals	China	Industrial Water Treatment Plant
Ecolab	China	Industrial Wastewater Treatment Plant
Pb Gelatins	China	Industrial Wastewater Treatment Plant
BASF	China	Industrial Wastewater Treatment Plant



PACT Water / Waste Water Treatment Projects

Partial List of References in Far East U.S.A. - Europe - Africa - Australia

Country	Client	Location	Description
Azerbaijan	Azerbaijan Methanol Company	Baku	450 Cu.M. / Hr. Demin System 3x150 Tones Boilers 3000 Cu.M./ Day Industrial Water treatment Plant and filtration
Bahrain	KBR for American Army	Bahrain	600 Cu.M/ Day MBBR
Afghanistan	Worldwide Procurement	Afghanistan	150 Cu.M/Day BWRO
Kazakhstan	Chevroil	Almaty	Pump Station
Kazakhstan	AGIPCO - Worley Parsons	Almaty	Eskene West Rail Project Portable Water Treatment Package
Sudan	Ministry of Health and Environment	Bor	4800 Cu.M. / Day Filtration System
Algeria	Petrofac International Co.	Ouargla	2880 Cu.M. / Day wFiltration System
Australia	Modular Billing Systems	Australia	450 Cu.M/MBBR
Syria	Touba Plast	Damascus	30 Cu.M. / Day Package STP
Singapore	Singapore Airline (PACT Enviro)	Singapore	170 Cu.M./ Day BWRO
U.S.A.	Western Equipment Company	Mexico	110 Cu.M. / Day BWRO
Ecuador	Industrial Ecuatorianna Productora	Manta	400 Cu.M. / Day MBBR
Ecuador	De Alimentos C.A.	Manta	400 Cu.M. / Day MBBR
Turkmenistan	GAMMA TECH CO.	Ashgabat	1200 Cu.M / Days BWRO & SWRO



Industrial and Municipal
Water & Wastewater Treatment

Our Ref : MW/27/2011

Date : 17/05/2011

**M/s PACT Engineering CO
DUBAI**

**Attention : Mr.Arshak Toufenkjan
Regional Manager**

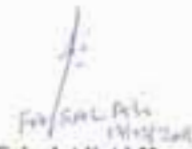
**Subject : 12 M3 /Hr Brackish Water RO Plant 2 Pass + Post Treatment Unit Model
P-BW-S-283-C
For ARWA Bottled Water Plant – Coca Cola Co- Packer**

CERTIFICATE OF APPRECIATION

We take this opportunity to express our appreciation for the efforts and high quality performance of all your staff involved in the subject for works related to a 288 cu.m /day capacity Water treatment Plant and the Post Treatment Unit supplied .

The dedication and professional manners in which your company, M/s. PACT, executed the works of the project is truly commendable. The high spirit of your working force indicates a great sense of responsibility and commitment in fulfilling contractual requirements , particularly , with regard to safety and quality . We also appreciate the technical support extended by your staff during the commissioning and handing over stage of the project .

We are thankful for your cooperation and efforts and look forward to continue working with you in any future projects to be awarded.


**Engineer/ Faisal Ali Al Hemaury
Project Manager**



شركة جرانيت للبناء
GRANITE CONSTRUCTION COMPANY




Our ref : GCC/G-1179/10/SDV
Date : May 10, 2010

TO WHOM IT MAY CONCERN

We have engaged M/s PACT Engineering during October 2009 for Supply, Install and Commissioning of 250cum/day MBBR type Sewage Treatment Plant and 250cum/day HBRO Water Treatment Plant for our ASAB accommodation facility. We would like to extend our appreciation for the successful and timely commissioning of the plants in less than 6 months time to our entire satisfaction. Further, their support during the ongoing maintenance contract is satisfactory. In case of additional requirements in future, we would consider them as our prospective contractor.

With Regards,
For Granite Construction Company


ARMIN KHOSROFIAN
MANAGING DIRECTOR



6770080, 6770050, Fax: 6734728, E-mail: gco@grc.co.ae, Website: www.graniteuae.com



Industrial and Municipal
Water & Wastewater Treatment



Company Reg. No. 200001520

Consultants, Engineers & Contractors

BIO-TEC (S) Pte Ltd.

No. 27, Woodlands Industrial Park E1,
#03-02, Heng Kee Industrial Building IV,
Singapore - 757718.
Phone: +65 6266 6811, Fax: +65 6266 6811.
Email: technical@biotec.com.sg
Email: biotec@biotec.com

Date: 15.10.2010

To,
PACT Engineering FZC,
Water Treatment Company,
P.O. Box 18696,
Dubai, U. A. E.

Attn.: Mr. Ashok Nair – O&M Manager.

Sub.: LETTER OF APPRECIATION

Ref.: SUPPLY AND INSTALLATION OF "PACT" RODE 400 ROTARY DECANTERS
FOR 3000 CU.M//DAY SEWAGE TREATMENT PLANT AT LIWA, SULTANATE OF OMAN.

We are pleased to inform you that PACT supplied four (4) sets of stainless steel decanters for our above mentioned project in Oman.

The decanters were installed and successfully tested and commissioned on 14.10.2010 under our supervision and with the help of PACT service engineers at site. The decanters are working satisfactorily and providing required performance.

We are very happy with the Decanter performance and also technical supports provided by PACT during project execution and the services rendered by the PACT service engineers during testing & commissioning at site.

Look forward to work together in the future.

Very truly yours,
For BIO-TEC (S) Pte Ltd., Singapore.

Jayaraj Nayak
Director



After Installation



During Aeration



During Decanting





TO WHOM SOEVER IT MAY CONCERN

This is to certify that **M/s PACT ENGINEERING FZC**, a Dubai based Water treatment company - had contracted the construction of a 300 cu.m /day capacity , MBBR type waste water treatment plant in our facility here in ICAD 2, Mussaffa , Abu Dhabi , U A E. PACT Engineering successfully completed and commissioned the project in February 2009 and it is working in good condition. We would like to express our satisfaction towards the performance of the waste water treatment plant situated here in our facility.

Yours Sincerely,

Rajan Shettigar

Manager - Mechanical services

Emirates Float Glass LLC

ICAD 2 , Mussaffa , Abu Dhabi

United Arab Emirates



شرکت مهندسی رعد آب جنوب SOUTH RAADAB ENGINEERING CO.

November 03, 2010

TO WHOM IT MAY CONCERN

We hereby contracted M/S PACT ENGINEERING during September 2009 till April 2010 for Design, install and commissioning of 15,000 Cum / Day Sea Water Reverse Osmosis System to provide Drinking Water from Persian gulf sea water .

We would like to extend our appreciation for successful commissioning of the supplied plants desire to our satisfaction and their full support during the maintenance and warrantee period and we have no reservation recommending them to clients that require professional water and waste water treatment system.

Your faithfully

For South Raadab Engineering Co.

Hosein Tarrah

Managing Director



تهران: میدان وکیل خدایان شهید خدایی (پروژ) - خیابان پارس غربی تهران - پست: ۱۳۱۴۵ - تلفن: ۸۸۸۸۸۸۸۸
WWW.raadab.com Email: info@raadab.com



Industrial and Municipal
Water & Wastewater Treatment



PPI Contracting (LLC) شركة بي.بي.إي. للتعاقدات العامة

Ref. No.: SEY/011/2010

Date: 27.11.2010

TO WHOM IT MAY CONCERN

We have engaged M/s PACT Engineering during November 2010 for Supply, Install and Commissioning of 50cum/day MBBR type Sewage Treatment Plant and 50cum/day HBRO Water Treatment Plant for our Dhevataru Beach Hotel, Praslin, Republic of Seychelles. We would like to extend our appreciation for the successful and timely commissioning of the plants as per agreed time schedule to our entire satisfaction. Further, their support during the ongoing maintenance contract is satisfactory. In case of additional requirement in future, we would consider them as our prospective contractor.

With regards,



For P.P.I. Contracting L.L.C.
Construction Division

P.O. Box 122496, D.I.P., Jebel Ali, Dubai, U.A.E

Tel.: + 971 4 885 4676, Fax: + 971 4 885 4677, E-mail: m.k.kumar@ppicontracting.com

Head Office Suite 502, Twin Towers, P.O.Box 42252, Bariyas Road, Deira, Dubai, U.A.E.

Tel.: + 971 4 228 807, Fax: + 971 4 228 8207, E-Mail: enquiries@ppicontracting.com

شركة الخرافى ناشيونال ش.م.ك (مغلقة)

Kharafi National KSC (Closed)



Our Ref. : 1235/015/148-10

Date : 8th December, 2010

M/s. PACT Engineering Co.
DUBAI

Tel : 971-6-5575042
Fax : 971-6-5575049

Attention : Mr. Arshak Toufrokjan
Regional Manager

Subject : Project 1235 - Al-Khairat New Town Infrastructure Works For
Blocks 2,3 & 7 Neighbourhood - 1.
Subcontract Agreement No. 1235/C/015
Design, Supply, Installation, Testing and Commissioning of
Package Sewage Treatment Plant

• **CERTIFICATE OF APPRECIATION**

We take this opportunity to express our appreciation for the efforts and high quality performance of all your staff involved in the subject project for works related to a 3,300 cu.m / day capacity Packaged Sewage Treatment Plant.

The dedication and professional manners in which your company, M/s. PACT, executed the works of the project is truly commendable. The high spirit of your working force indicates a great sense of responsibility and commitment in fulfilling contractual requirements, particularly, with regard to safety and quality. We also appreciate the technical support extended by your staff during the commissioning and handing over stage of the project.

We are thankful for your cooperation and efforts and look forward to continue working with you in any future projects to be awarded.

Yours faithfully,


Khaled Yamin
Project Manager
EPCM - MEP Services.

Phone: 22259999
Fax: 22259999

P.O. Box 24885, Sahel 12051, Kuwait
kharafi.national@kharafinational.com

Capital: KD 10,000,000
Commercial Reg No. 23646

www.kharafinational.com



Industrial and Municipal
Water & Wastewater Treatment



Fluor Daniel PRC LTD

FLUOR DANIEL PRC LTD

Chevron Chemical (Zhangjiagang) Project
Shanghai Office
208 Man Po International Business Center
660 Xinhua Road Shanghai 200052, China
Tel : (8621) 6282 8010
Fax: (8621) 6282 5193

July 18, 2000

Chevron Chemical Company
Chevron China Polystyrene Project
FDCT Contract No. 12715920
Ref: WW/L 50

PACT Environmental Technology Co. Ltd.
Suite 9E, Ai Bang Building,
585, Ling Ling Road,
Shanghai, P.R. China 200030
Attention: Miss Yvonne Xia, Project Manager

Subject: Project Reference

To Whom It May Concern

This is to confirm that PACT Environmental Technology Co. Ltd. was awarded with the contract to provide the engineering, procurement, installation and commissioning of a waste water treatment system for the Chevron Polystyrene Project in China.

The system was put into operation at the beginning of April 2000 for handling domestic waste water with the process waste water to be introduced in late August. The system is operating smoothly during the pre-commissioning phase of the project. The design and workmanship of the supplied equipment exceed the local standards.

PACT has been providing good support to our project and we have no reservation for putting them on our approved vendor list.

Yours faithfully,
Fluor Daniel PRC Limited

Project Director



2nd 1201-1206, PEFENGE TOWER
No. 118, Fuxing Road, Shanghai P.R.C.
Tel: 86-21-3105-4767
Fax: 86-21-4791-2800
P.C.: 200031

To Whom It May Concern,

July 18, 2000

This is to confirm that PACT Environmental Technology, Co., Ltd., is an approved supplier and contractor to Bechtel. They have been the suppliers and contractors for the following wastewater treatment projects for which we were the main contractors.

Project 1: Hewlett Packard Ink Jet Facility, Wai Gao Qiao, Shanghai, P.R.China. (completed 1998)

Project 2: Meizhou Wan Power Plant, Fujian Province, P.R.China. (completed 2000)

We would like to confirm that their performance has been satisfactory. We have no reservation recommending them to clients that require a professional water and wastewater treatment company.

Sincerely,
Bechtel China

Ma Xiukun
Contracts & Procurement Supervisor

Shanghai Office.



Industrial and Municipal
Water & Wastewater Treatment



Shanghai PepsiCo Snack Co., Ltd.

Block B, 4th Floor Victory Mansion
2200 KaiXuan Road
Shanghai 200030, P.R.China
Tel: 86-21-64687600
Fax: 86-21-64687558

TO WHOM IT MAY CONCERN

We have contracted the supply of a 500 cu.m./day wastewater treatment in 1999 to Messrs. PACT Environmental Technology Co. for our plant in Songjiang, China. The plant was completed the same year. We would like to confirm our satisfaction for the performance of PACT as a contractor and manufacturer of wastewater treatment equipment. We have no hesitation in using their services in our future projects.

Yours Sincerely,

Duncan Sheffer
Project Manager
Pepsico Foods



To Whom It May Concern:

May 8, 2004

This is to confirm that PACT Environment Technology Co. Ltd was awarded with the following EPC contracts for ANSC-TKS Galvanizing Co. Ltd:

- Demineral Water Treatment Plant, 40m³/Hr Dalian Development Zone, P.R.C.
- Industrial Cooling Water Treatment Plant, 2255 m³/Hr, Dalian Development Zone, P.R.C.

These two projects have been finished by Jul. 2003.

We have witnessed their good quality of engineering, installation as well as project management.

We are satisfied with their professional performance, they are in our list of approved supplier and contractor.

We have no reservation recommending them to clients which require professional service in water and waste water treatment.

Sincerely,
ANSC-TKS Galvanizing Co. Ltd

Deventer Gerhard

Operation director

ANSC-TKS Galvanizing Co., Ltd
A Joint Venture of ThyssenKrupp Stahl and Angang New Steel
Zhangji Industrial Area #12, 115500 Dalian Development Zone, China
Phone: +86 411 8751 4948 Fax: +86 411 8751 5451

SPACEMAKER

December 18, 2012

Mr. Arshak Toufenkjian
General Manager
Pact Engineering Co.
Dubai, UAE

Dear Mr. Arshak,

On behalf of Spacemaker I would like to thank you and congratulate you on a perfect execution of product manufacturing, delivery, installation and after sales support for our two offshore projects.

From the tender stage where we required PACT to design and present complex solutions to our oil & gas client for both R/O and Sewage Treatment plants your team were flawless.

As you know, we have used your products for new projects in Iraq with great success and look forward to a continued relationship with PACT in the future.

Regards,


William Ali Mills
Managing Director





To Whom It May Concern:

May 8, 2004

This is to confirm that PACT Environment Technology Co. Ltd was awarded with the following EPC contracts for ANSC-TKS Galvanizing Co. Ltd:

- Demineral Water Treatment Plant, 40m³/Hr Dalian Development Zone, P.R.C.
- Industrial Cooling Water Treatment Plant, 2255 m³/Hr, Dalian Development Zone, P.R.C.

These two projects have been finished by Jul. 2003.

We have witnessed their good quality of engineering, installation as well as project management.

We are satisfied with their professional performance, they are in our list of approved supplier and contractor.

We have no reservation recommending them to clients which require professional service in water and waste water treatment.

Sincerely,
ANSC-TKS Galvanizing Co. Ltd

Deventer Gerhard

Operation director

ANSC-TKS Galvanizing Co., Ltd
A Joint Venture of ThyssenKrupp Stahl and Angang New Steel
Zhangji Industrial Area #72, 115500 Dalian Development Zone, China
Phone: +86 411 8751 4948 Fax: +86 411 8751 5407



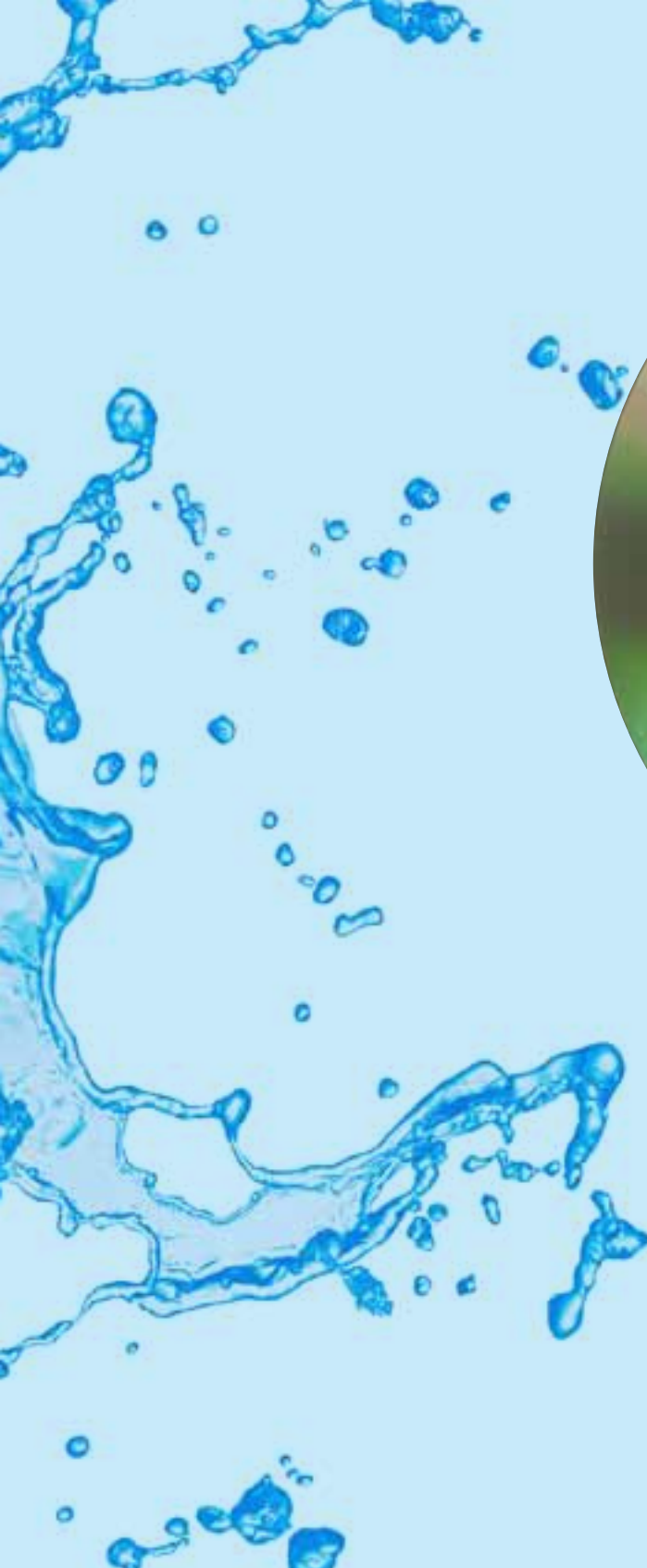
We Believe In What We Do

50

TUV NORD

PACT

Industrial and Municipal
Water & Wastewater Treatment



USA Office

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www.pactusa.com