



شركة الاتحادية موجة للمقاولات

**FEDERAL WAVE**  
CONTRACTING COMPANY L.L.C

*An ISO 9001,14001,45001 certified company*

رؤية  
**2030**  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

COMPANY PROFILE

# Federal Wave Contracting Company

## ABOUT US

Federal Wave Contracting Company is a leading electromechanical contracting company based in Jubail, Saudi Arabia having expertise in handling projects and maintenance contracts related to industrial, commercial, and residential clients.

Founded as Federal Wave Specialized Contracting Est in 2017, Federal Wave Contracting Company now is led by Industrial pioneers who have considerable experience in the field of construction, Testing and commissioning, Maintenance and operation, Supply of specialized manpower, Engineers and Technicians for Instrumentation, Electrical, Mechanical, and civil works.

*“Our mission is to excel and expand across the world by providing world class service and support our clients.”*

**Er. Pavurdeen Rawther**

*Founder & General Manager*

Email: [info@fwscontracting.com](mailto:info@fwscontracting.com) | Web: [www.fwscontracting.com](http://www.fwscontracting.com)

Phone: +966 13 361 3690

PO Box. 60588, Al Jubail, Kingdom of Saudi Arabia



## OUR SERVICES

Federal Wave Contracting Company has a fully fledged electrical, Instrumentation, Control and Mechanical engineering projects department managed technology masters and the field works are executed by talented workforce. We offer the following services.

- Electrical projects and maintenance contracting.
- Specialized manpower and heavy equipment.
- Instrumentation and Control systems supply , installation, maintenance, repair, commissioning.
- PLC, SCADA and Process Automation design, supply installation, commissioning, and maintenance
- HVAC Systems supply, installation, and maintenance.
- Electrical panels, mechanical systems and control systems panels Supply, Erection, Installation, and maintenance.
- UPS, Battery chargers, Battery banks design, supply, Installation, Testing and commissioning of critical power systems.
- Switchgear supply, testing and commissioning maintenance and
- Enterprise Resource Planning (ERP) systems, design, supply, and support.
- Solar PV systems, Supply, erection, installation, testing and commissioning.
- Lighting systems supply, installation and maintenance for Industrial, Commercial and Residential units.
- Telecom systems, cabling and CCTV systems.
- Fire alarm system, installation, testing & commissioning works.





## ACCREDITATIONS

Quality, Safety, Health, and environment is our top priority. We operate with quality in par with international standards in our offices and project premises. We continually thrive to improve our quality and safety standards. Following ISO standards are being followed stringently at federal wave and we keep valid certifications from world renowned agencies.

ISO 9001:2015 CERTIFIED QUALITY MANAGEMENT SYSTEM

ISO 14001: 2015 ENVIRONMENTAL MANAGEMENT SYSTEM

ISO 45001:2018 OCCUPATIONAL SAFETY & HEALTH  
MANAGEMENT SYSTEM



**ACCREDITED**  
MSCB 118



# OUR DIVISIONS

## ELECTRICAL PROJECTS AND CONSTRUCTION

At present we can perform the supply, Installation, erection, testing, commissioning, grounding, related civil works, troubleshoot and maintenance for following scopes.

- **LV, MV Cables**- Overhead, underground, Armored etc.,
- **LV, MV Panels**- Distribution, control, isolation, main breakers etc.
- **Transformers:** Air/Oil cooled, outdoor, Indoor, Isolation, up/down.
- **Cable trays, conduits, Marshalling and termination.**
- **Cable pulling and trenching work.**



## INSTRUMENTATION AND CONTROL SYSTEMS

Our Instrumentation and control division is able to perform the supply, Installation, erection, testing, commissioning, grounding, calibration, related civil works, troubleshoot and maintenance for following scopes of

- Control valves, pneumatic valves, motorized valves etc.,
- Flow meters, energy meters, Field transmitters.
- Instrument panels
- Analytical instruments
- Fiber optic cabling, splicing.



## SPECIALIZED MANPOWER FOR ELECTRICAL, CIVIL AND MECHANICAL WORKS

We have highly experienced and talented manpower for your requirements in wide range of projects.

- Specialized technicians for electrical, mechanical, and civil works
- Safety officers, labours, and project transportation.
- Project engineers, plant engineers
- Specialized civil construction such as control room and other operational facilities.
- Permanent and temporary facilities construction.  
Piping, structural and MEP.

## HEAVY EQUIPMENT RENTING AND OPERATORS

We can supply heavy equipment listed below in rental basis or contract basis along with well-trained operators and technicians.

- Cranes of various capacity
- Boom trucks
- Forklifts
- Drilling tools, construction equipment
- Scaffolding works.



## UNINTERRUPTED POWER SUPPLY(UPS) SYSTEMS/ CRITICAL POWER SYSTEMS

AC/DC UPS systems are most critical part of electrical network in all industrial and commercial entities. We can perform the supply, Installation, erection, testing, commissioning, grounding, related civil works, troubleshoot and maintenance for following scopes.

- **AC UPS-** Industrial grade, Outdoor, General purpose from world renowned manufacturers.
- **Battery chargers/DC UPS-** 110-220 vdc Substation grade, 24VDC chargers for DC supply to critical instruments, Explosion proof systems.
- **Batteries:** Nickel Cadmium, Vented lead acid, VRLA, Salt/Sodium Nickel, Lithium Ion (LifePO4) battery banks and maintenance
- **Frequency Converter, Stabilizer**



## SWITCHEGARS AND SUBSTATION SYSTEMS MAINTENANCE

Switchgears are heart of power grid systems. We are able to perform the supply, Installation, erection, testing, commissioning, grounding, related civil works, troubleshoot and maintenance for following scopes.

- **Switchgear panels- LV, MV** From world renowned manufacturers.
- **Maintenance,** retrofit and repair of switchgear panels
- **Cabling** related to switchgears.





## PROCESS AUTOMATION, DCS, PLC, SCADA

Process automation systems including DCS, PLC and SCADA are the brain of any process industry or building management systems commercial building. We are led by an Industrial pioneer with more than 30 years' experience in the Process automation field.

- **Distributed Control System (DCS)**- Control Design, procure, maintain, cabling and instrumentation, installation, testing and commissioning of world renowned DCS systems such as Siemens PCS7, TXP T2000- & T3000 (Desalination and Power plant) etc.,
- **Programmable Logic Controller (PLC)**– Control Design, procure, maintain, cabling and instrumentation, installation, testing and commissioning of world-renowned PLC systems such as Siemens S7, TIA portal, GE Fanuc etc.,
- **Supervisory Control and Data Acquisitions:** We have capability to set up and maintain wide range of SCADA systems for process plants.
- Instrument integration to DCS
- Cable marshalling
- Profibus, Profinet cabling
- Cabinet for control panels
- **Upgradation of old logic systems to PLC/DCS.**





## LIGHTING and HVAC Systems

Lighting and HVAC are now a prime factor in Industrial, Commercial and Residential units. At Federal Wave, we have a specialized lighting and HVAC department to carry out study, estimation, supply, and installation of standards specified lighting systems and HVAC units. We can provide the below systems with total scopes of installation, upgradation, or maintenance.

- **LED Lighting system-** For industrial plants, residential units and street lighting, highway lighting.
- **HVAC Systems** – We have capability to set up and maintain wide range of HVAC systems, chillers, AHU, ventilation fans, A/C units.
- **HVAC duct installation,** cabling and piping.

## SOLAR PV SYSTEMS

We have a new Solar PV division to take care of design, supply, installation, and T&C of various types of Off grid/On grid Solar PV systems integrated by renowned brands.

- **Solar Street lamps-** Off grid type independent solar streetlamps including pole and foundation.
- **Off grid/On grid** solar PV systems with battery back-up
- **Fabrication and installation work** for Solar PV system



## ENTERPRISE RESOURCE PLANNING (ERP) SYSTEMS

We have a new innovative upgraded ERP tool that is business friendly and user friendly with various capabilities and functions to power up your business. We can do the below scopes.

- New installation of ERP system with wide range of modules to fit in the enterprise.
- Support by our developer online and offline.
- Web based server for independence from slow computers and servers, unexpected downtime.
- Local server installation for big enterprises.
- Local technical support within 24 hours.
- Suitable modules for manufacturing plants, trading and contracting firms, Manpower based companies.
- Best system for CRM, Operations, finance.
- **Easy replacement for SAP** based systems with easier migration.
- 7 million users across the world.
- Proven productivity rises within 7 days.



Last 5 Years Completed & Ongoing project details.

S.No	Project Name	Year	Po Number	STATUS
1.	SWCC JUBAIL PHASE-1 Manpower Supply	2022-23	PO 701956	Ongoing
2.	SWCC RAS AL KHAIR ANALYZER PROJECT	2023	0045010244	Ongoing
3.	STAR TOWER-JUBAIL-VEOLIA VALORIZATION PLANT	2022-23	2021SD048	Ongoing
4.	STAR TOWER-JUBAIL-VEOLIA VALORIZATION PLANT IMPULSE LEAK TEST	2022-23	2021SD048-01	Ongoing
5.	SINOPEC-MARJAN TECHNICAL SUPPORT SERVICE	2022-23	SEGS-MARJAN-PKG10-0050-0059 SEGS-MARJAN-PKG10-PO-0050 SEGS-MARJAN-PKG10-PO-0063	Ongoing
6.	SWCC-C8 Cable replacement	2022-23	PO No 0045009158	Ongoing
7.	SIEMENS ENERGY-SUPPLY EQUIPMENT	2022-23	4510153777	Ongoing
8.	SWCC JUBAIL TRANSFORMER AND ENERGY METER PROJECT	2022-23	45009386	Completed
9.	SWCC-RAS AL KHAIR SWI PLC PROJECT	2022-23	703954	Completed
10.	CARAVAN-SUPPLY & INSTALLATION OF LIGHTS HADEED SITE	2022-23	204	Ongoing
11.	SHAPOORJI PALLONJI-SUPPLY MANPOWER	2022-23	3700109455	Ongoing
12.	SWCC-KHAFJI MAINTENANCE CONTRACT	2022-23	703088	Ongoing
13.	SWCC JUBAIL C8 PH2B LIGHTING	2022	45009158	Completed
14.	SWCC C2 C3 CABLE REPLACEMENT	2022	45006873	Completed
15.	SENDAB-SWCC AL KHOBAR PLANT ELECTRICAL WORK	2022	700964	Completed
16.	SENDAB-SWCC JUBAIL REPAIR & REFURBISHMENT	2022	53595	Completed
17.	FARABI-FDC UPS FAILURE TROUBLE SHOOTING	2022	4400014072-0	Completed
18.	APEC-SWCC KHOBHAR	2022	W0759	Completed

	INSTALLATION OF APEC PANELS			
19.	SWCC-RAK-FUEL OIL METER TROUBLESHOOT	2022	1700	Completed
20.	L & T SHUT DOWN WORK ACTIVITY@WARAQ PLANT	2022	5537000981	Completed
21.	RIFD-ICONS Technical support	2022	PO 4-522	Completed
22.	SWCC RAS AL KHAIR- Troubleshooting and repairing Demin plant PLC.	2022	10299	Completed
23.	SHAPOORJI PALLONJI MANPOWER SERVICE	2022	490070980	Completed
24.	SHAPOORJI PALLONJI MANPOWER SERVICE	2022	250024981	Completed
25.	APEC-ALSHALAWI INSTALLATION OF 1500 SOLAR PV STREET LIGHTS AT ARAMCO FACILITIES ROAD	2022	765	Completed
26.	Arabian Fal-Supply Boom truck operator	2021	4500019909	Completed
27.	SENDAB-SWCC CABLE INSTALLATION JUBAIL PLANT	2021	SEN/PO-9-21/0018	Completed
28.	APEC-INSTALLATION OF UPS SYSTEM FOR MARAFIQ JUBAIL	2021	W0709	Completed
29.	SASAKURA-Supply of ECT Equipment testex TX4400 with Technical Support project -shoatba	2021	PO 640-28032021142453	Completed
30.	SASAKURA-Supply of ECT Equipment testex TX4400 with Technical Support project -shoatba	2021	PO 644-19052021113357	Completed
31.	EPPM-DRILLING FOR GROUNDING ROAD INSTALLATIONS	2021	521/20	Completed



32.	SASAKURA-SUPPLY OF MATERIALS	2021	SMEC/007/14003/20/662	Completed
33.	SASAKURA-SUPPLY OF MATERIALS	2021	SMEC/007/14003/20/685	Completed
34.	SASAKURA-SUPPLY OF MATERIALS	2021	SMEC/007/14003/20/687	Completed
35.	SASAKURA-ECT INSPECTION BRINE HEATER HEAT RECOVERY HEAT REJECTION	2021	SMEC/007/14003/20/688	Completed
36.	SASAKURA-ECT INSPECTION BRINE HEATER HEAT RECOVERY HEAT REJECTION	2021	SMEC/007/14003/20/689	Completed
37.	SWCC-KHAFJI TECHNICAL SUPPORT SERVICE CONTRACT - RO PLANT MAINTENANCE	2021	82766	Completed
38.	AL ROUF-LED LIGHT INSTALLATION PROJECT SABIC HADEED	2020-2021	PO-ILED-02042020 PO-ILED-08092020 PO-ILED-08092020-1 PO-ILED-09082020 PO-ILED-28032020 PO-ILED-30062020	Completed
39.	AL ROUF-REMOVAL & INSTALLATION OF LED LIGHTS	2020	ILED/27102020/01	Completed
40.	QTECH Arabia-ELECTRICAL & INSTRUMENTATION TECHNICAL SUPPORT	2020	CAL/2020/0312	Completed
41.	SWCC- TRANSFORMER SUPPLY AND INSTALLATION - JUBAIL	2020	5638567	Completed
42.	QTECH Arabia-ELECTRICAL & INSTRUMENTATION TECHNICAL SUPPORT	2020	CAL/2020/1125	Completed
43.	EPPM-FLOOD WATER PROJECT SUPPORT SERVICES FOR ARAMCO UNDER THE MAIN CONTRACTOR	2020-2021	356/20,440/20,427/20,337/20 842/21,454/21,319/20,366/21, 338/20,571/20,426/20,532/20, 192/21,632/21	Completed
44.	SIEMENS-INSTRUMENTATION DCS WORKS AT JUBAIL SWCC	2019-2020	2019-2020 SIEMENS	Completed

45.	SHAPOORJI PALLONJIRIYAD MARRIOTT PROJECT-SAFETY MANAGEMENT SERVICES	2019-2020	3100015675	Completed
46.	Arabian Fal Company-Supply of Manpower	2019	4500008979	Completed
47.	RAWAFID-SWCC UPS Panel Installation Project- JUBAIL PLANT	2019	RSPO-FED-26-12-2019	Completed
48.	TERMOMECCANICA SAUDIA CO LTD-DCS Project	2019	TMSP1900069	Completed
49.	SWCC-Provide instrumentation and technical support for R.O Alkhafji plant	2019	PO_1051_85446_0_AR	Completed
50.	SWCC-To provide technical support for electrical	2019	PO_1051_85447_0_AR	Completed
51.	SWCC- To provide technical support	2019	PO_1051_85448_0_AR-1	Completed
52.	SWCC- Remove and Fix back the travelling screen Cyclo drive bearing at intake12. Travelling screens F-2C	2019	PO_1051_89792_0_AR-1	Completed
53.	SWCC- Replacement of the power cable for MUTP motor in C2 area unit#08 24-21-(PEM)-13A.	2019	PO_1051_90067_0_AR-1	Completed
54.	SWCC-YANBU INSTRUMENTATION INTERFACE PROJECT	2019	TMSP19000042	Completed
55.	SWCC-KHAFJI RO PLANT MAINTENANCE & TECHNICAL SUPPORT	2019	85448,85446,85447	Completed
56.	HADI HAMAD-HV CABLE TERMINATION WORK	2018	06636-R1	Completed
57.	SWCC- RE LOCATING OF F.P.S WINDOW PANELS FROM C2 & C5 DESAL CONTROL ROOMS TO C3 & C4	2018	PO_1051_80426_0_AR-1	Completed
58.	SWCC-GATE SETTING AT DESAL #28	2018	PO_1051_83007_0_AR-1	Completed

## OUR MAJOR CLIENTS



VENDOR CODE:10063742



VENDOR CODE: 11047156



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation

VENDOR CODE: 6062



الشركة السعودية للكهرباء  
Saudi Electricity Company

VENDOR ID: VD028492

Rawafid Systems  
Advanced Power & Technology Systems



الرووف  
LIGHTING TECHNOLOGY CO.LTD.



شركة الرووف  
لتقنية الإنارة المحدودة



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE



Name of Project: Provide Technical Support & Maintenance at RO Plant, SWCC in Al-Khafji.

Work Order No: RR-85446, RR-85448 & RR-85447

Work period: 20-02-2019 TO 19-02-2020

This is to certify that our Vendor#6062

مؤسسة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Est.

Has successfully completed to Provide Technical Support & Maintenance at RO Plant, SWCC in Al-Khafji. The date of completion is (19/02/2020).

All the best for your future projects.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Position: \_\_\_\_\_

*Ali*  
*Ali Ramadan*



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE



Name of Project: Provide Technical Support & Maintenance at RO Plant, SWCC in Al-Khafji.

Work Order No: Tender# 82766

Work period: 22-12-2020 TO 21-12-2021

This is to certify that our Vendor#6062

مؤسسة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Est.

Has successfully completed to Provide Technical Support & Maintenance at RO Plant, SWCC in Al-Khafji. The date of completion of the project is (21/12/2021).

All the best for your future projects.

Signature:

Name:

Position:

# PROJECT COMPLETION CERTIFICATE



Name of Project: Replacement of ATS in C4, MCR 47 by new UPS at SWCC in Al-Jubail.

Work Order No: PO# 607, PO Dated on 19.11.2020

Work period: 19-11-2020 TO 29-12-2020

This is to certify that our VENDOR# V00244  
مؤسسة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Est.

*Has successfully completed the subcontracting work of replacement of ATS in C4, MCR 47 by New UPS at SWCC - Al Jubail, Saudi Arabia.*

*The date of completion is (29/12/2020).*

Signature: \_\_\_\_\_

Name: Jacob Thomas

Position: Chief Executive Officer





# PROJECT COMPLETION CERTIFICATE

Project Name: SWCC AL JUBAIL PHASE II AB

Project Ref: Siemens DCS LoP - Protocol for the award of contracts for supplies and service.

Work period: 13<sup>th</sup> November 2019 To 31<sup>st</sup> of May 2020

This is to certify that  
**FEDERAL WAVE Contracting Est.**

Has successfully completed Siemens DCS LoP - Protocol for the award of contracts for supplies and service at SWCC

in Al Jubail - Saudi Arabia. The date of completion is 31/05/2020.

All the best for your future projects.

**Balzer  
Horst-  
Josef**  
Digital signiert von  
Balzer Horst-Josef  
DN: cn=Balzer Horst-  
Josef, o=Siemens,  
email=horst-  
josef.balzer@siemens-  
energy.com  
Datum: 2022.01.29  
15:55:50 +01'00'

Signature:

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Name: Horst-Josef Balzer  
Position: Senior Project Manager



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE



Name of Project: Lighting Replacement of C5

Work Order No: 45006871

Work period: 15/03/2022 To 18/10/2022

This is to certify that our Vendor#6062

شركة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Company.

Has successfully completed Lighting Replacement of C5 At SWCC Jubail Plant

All the best for your future projects.

Signature:

Name: Eng. Jehad Al-Shaikh  
Position: Elect. & Instrum. Chief for PH-2B



## PROJECT COMPLETION CERTIFICATE



Name of Project: Replacement of Electrical Cables

Work Order No: 0045006873 RR-701987

Work period: 20/03/2022 TO 20/10/2022

This is to certify that our Vendor#6062

شركة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Company.


Has successfully completed Replacement of Electrical Cables at C2 ,C3 SWCC Jubail Plant

All the best for your future projects.

Signature:

Name:

Position:

  
Matar Hufdi  
Sr. Elec. Eng.

المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE

Name of Project: Installation of current transformer and energy meter with panel

Work Order No: 45009386 RR-704198

Work period: 08/03/2023 TO 14/03/2023

This is to certify that our Vendor#6062

شركة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Company.

Has successfully completed Installation of current transformer and energy meter at SWCC Jubail Plant

All the best for your future projects.



Signature:

Name:

Matar Khaled

Position:

sr. elec. eng.

المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE



Name of Project: Preparing, programming, and adding the signals of the hydraulic control unit for the water pump valves in the SWI of the Ras Al-Khair production system.

Work Order No: 45010437 RR-703954

Work period: 30/01/2023 TO 04/04/2023

This is to certify that our Vendor#6062

شركة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Company.

Has successfully completed PLC Modifications for the water pump valves in the SWI at SWCC Ras Al Khair Plant

All the best for your future projects.

Signature:

Name: Fallaten, Mohamed

Position: Expert Eng.



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation (SWCC)



## PROJECT COMPLETION CERTIFICATE



Name of Project: Replacement the power cable the feed Make up tempering motor in D08 in C2  
Area of Phase 2,A SWCC in Al- Jubail

Work Order No: RR-69810

Work period: 22-07-2019 TO 27-10-2019

This is to certify that our Vendor#6062

مؤسسة الاتحادية موجة للمقاولات

FEDERAL WAVE Contracting Est.

Has successfully completed C2 Desal Unit 8 Tag# 24-20-P -22-'t | 24-20-P -22-2 makeup pumps power cable installation & commissioning.

All the best for your future projects.

Signature:

Name: *Matar Husni*

Position: *Sy. Ele. Eng.*

# ACHIEVEMENTS

40+ HAPPY  
CLIENTS

200+CUSTOMER  
ENQUIRIES

61 PROJECTS  
COMPLETED

10+UPCOMING  
PROJECTS





*One stop solution for all your Contracting requirements*

## CONTACTUS

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