



ردمنة ینجینیرنغ (ل.ل.س)

Rudiment Engineering LLC

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P.O.Box: 83518, Dubai, United Arab Emirates, www.rudiment.co.ae



ISO 14001:2015 ISO 45001:2018

***Design, Engineering, Procurement,
Manufacturing & Installation of Chemical
Injection skids, Piping, Tank and Structures
in Oil and Gas, Petrochemical and Power
Sectors. Supply of Oil Field Equipment.***

Organization Profile

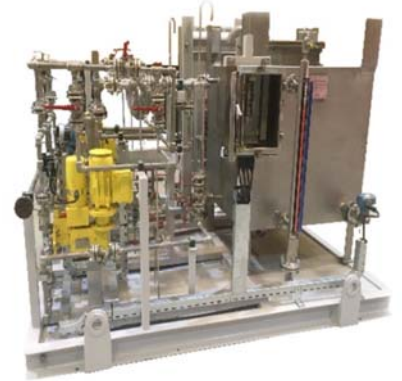


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INTRODUCTION

Incorporated in 2007, Rudiment Engineering is a leading manufacturer of Chemical Injection Skid Packages, Storage tanks & Vessels, Piping & Pipe racks, Structures etc. Our manufacturing unit is equipped with state of art facility in Jabel Ali Industrial Area, Dubai, UAE. We are committed to our customer's expectations having capability in customized designs, Fabrications, Installations and Maintenance. We cater our services to different industrial sectors mainly for Oil and Gas, Petrochemical and Power sectors.

Being a well experienced company, we are a full-service steel fabrication unit capable of handling projects ranging from simple prototype design Job to the erection of large-scale steel fabrication works.

We have built our Business on quality workmanship, integrity and reputation. In today's competitive market, we recognize the importance of good customer service and ensure every client get personalized attention. This practice made us built partnership strategy with our clients, which help us retain them always with us.

By using state-of-the-art technologies including different machines like CNC machines, heavy duty lathe machines, slotting machines, shearing machines, hydraulic Press, rolling machines, welding machines, pressure testing units, etc., and new-generation project development methodologies, Rudiment Engineering is committed to deliver quality products in short lead times and economical pricing to our valuable clients.

Rudiment Engineering is approved in ADNOC Group of Companies.

MISSION

The mission of RUDIMENT ENGINEERING LLC is to achieve and sustain a position as a leader in Steel Fabrication and Welding Services in U.A.E.

Our team Values are:

- People and Society
- Quality Standards
- Environment Friendly

VISION

We will be recognized as a leader in Steel Fabrication and Welding Services in U.A.E. We will be admired for our people's excellence, providing innovative solutions and an outstanding service to our customers.

We will be successful by applying our principles of doing business:

- We strive to be our customer's partner of choice, selected by performance.
- We want to be the most trusted contractor for steel fabrication & related services at optimal cost.
- We will be innovative in developing solutions for our customers current and future needs.
- We will create value for our shareholders.

MAJOR STRENGTH

Highly dedicated experienced staffs looking forward to serving our clients, Quality products at competitive rates and fast delivery are our major strengths. Quality Product with affordable rate is a hallmark of our company. Today, Rudiment Engineering LLC has become a name which symbolizes trusted quality and reliability. The basis which makes the products manufactured by us, unique lies in our approach where attention is paid to each and every possible aspect. We have vast experience in dealing with various products of those manufacturing companies that have a global reputation and identified by the international markets all over the world.

Rudiment Engineering LLC would feel a great privilege to enroll itself with your esteemed organization as a bulk contractor to support your products and process. The company sincerely expects a change and fondly looks ahead for a positive reciprocation from you.

PEOPLE & EXPERIENCE

Our objective is to have its people meet precise project specifications on time and on budget. The company strives to leave every consultant, general contractor, manager or end user of the client with a definite feeling that the people of Rudiment Engineering LLC are team players, they perform their work with expertise and pride.

Our experience lies in the commercial and industrial sector of the industry which can require quick turnover or emergency service response. Due to nature and out special circumstances this type of work

can entail, we pride ourselves in carrying this type of work with little disruption to the client's daily activities by time sensitive scheduling.

Whether the job is an emergency service call, an existing tenant mechanical retrofit or a new construction project, our best of class individuals will carry out their duties to fulfill our commitments to the client

QUALITY POLICY

Rudiment Engineering is adhering to international standard ISO 9001:2015 and internal norms for trading quality products using best available resources. We are committed to apply sufficient process controls, verification procedures and training programs to achieve high standards of quality workmanship and to project a quality image in all that we do. We are committed to satisfy applicable Statutory and regulatory requirements and for the continual improvement of the quality management system.

HSE POLICY

We Rudiment Engineering LLC will ensure that possible efforts will be made in the interest of accident prevention in our office, work sites & accommodation. We do realize that it is a good business practice to guard against accidents and occupational diseases. Preventing accidents will reduce the associated cost and increase the morale of the employees, which is an intangible benefit to our organization. Rudiment Engineering LLC HSE programs combine clear leadership by management and the engage of all employees involved in its business activity.

RUDIMENT EDGE

Commitment to Quality

Total Quality Management is inbuilt in the Company's values. Being an ISO 9001:2015 accredited company, stringent quality measures are an important part of its manufacturing process. Both in manufacturing and final inspections are carried out by a team of experienced quality engineers. Rudiment Engineering's quality-driven business processes combined with on-site inspection teams deliver high-quality products to customers with an exceptional level of customer service.

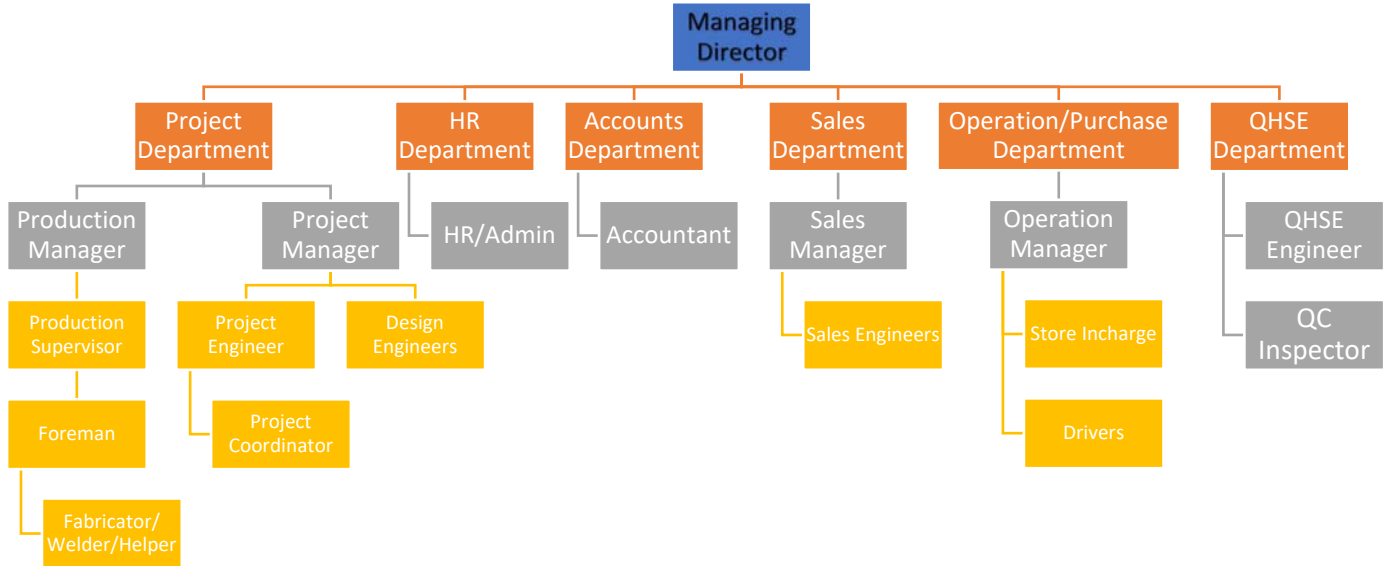
On Time Project Delivery

Besides offering cost-effective and perfect results on time, the Company's reputation for the prompt delivery advantage that's not easily matched by competitors. Experienced workforce, sincerity, and craftsmanship are the qualities that distinguish, machinists and CNC programmers render services in complete adherence with the industry norms.

Dedication

To execute projects quickly and efficiently is the core competitive edge of the Company. Whatever be the scope of the project from small parts to heavy equipment, 100% customer satisfaction is guaranteed.

ORGANIZATIONAL CHART



PRODUCTS & SERVICES

We have a wide range of products and services in oil-field, power-rental, power-plant and construction. Our products & services are custom based. Design and fabrication are fully customized with customers fulfillment, reliability, competitive prices & Lead time.

Structural Fabrication

The Scope Includes the Mild steel, Carbon steel, stainless-steel fabrication with the innovation techniques and tricks based on the codes ASME, AWS & BS with approved welding procedures by DNV & BV. In house Structural Analysis enable us to optimize the least and accurate section to choose for structural designs.

Piping Fabrication

The Scope Includes process piping, power piping based on codes B31.1, B31.3, API & ASME with approved welding procedures ASME SEC IX, API and BS Standards by DNV & BV, with in house pipe stress analysis to get an accurate pipe support positions and bending stress, hoop stress, longitudinal stress & axial stress confined areas in piping to get rid of the excess stress or overstressed areas.

We extend our range of piping in wide areas such as gas, crude oil, alkalis, corrosive and concentrated acids based on the flow, pressure & temperature.

Lathe Machining & Milling Service

We have a strong machining and milling team to assist and support the fabrication in a timely and precise manner. Making of jigs and fixtures, movable and rotating parts, all machined & milled parts to be associated with fabrication can be instantaneously done with our experienced in-house facility.

Onsite Erection & Commissioning

We have experienced team for erection & Commissioning at the site. Including mostly all areas of Africa, Asia & Middle East.

Chemical Injection Skid Packages

We have been started with skid packages in 2015, and we are continuing our story with more than 88nos of skid packages fabrication, assembly, and integration. From the initial stages of skid designing, we are supporting our client. We have successfully completed FAT and functioning the skids at the site till now without any breakdowns.

Our areas of expertise including developing of skid GA from P&ID, detailed base frame, tank and piping drawings, structural, piping tank design and analysis, 3D drawings, isometric drawings, hook up drawings, Layout drawings and finally As-Built Drawings.

We have experienced with Corrosion inhibitor, Antifoam, Oxygen scavenger, Caustic, Biocide, Hydrochloric acid, Sulphuric acid, HNO₃ H₂S Scavenger, Calcium hydroxides, etc, etc.

Tanks & Vessels

We have a capability to design, fabricate & test rectangular, cylindrical-vertical and cylindrical-horizontal tanks as per ASME SEC VIII DIV 1, API 650, API620, Roark's and Young's formulae, and good engineering practice stress calculations.

Level Chambers & Volume Pots.

We manufacture level transmitter chambers, gauge radar chambers & Volume pot. Special skills required to produce high-quality products and we make this happen with our equipped facility.

Enclosures & Cabinets

We have the caliber to fabricate and test IP rated enclosures and cabinets. And we have a proven track record with the third-party inspection with DNV. The scope extends to mounting rack and canopy with Stress calculation-based on load capacity and mounting arrangements.

Flexible Hoses & Bellows

Stainless steel Flexible hoses and bellows are using where the vibration due to operation at its peak and to be waived off by using these expansion joints and it comes under our product range. We have a huge stock of low pressure & high-pressure expansions joints. With respect to the customer end connections, we are capable of manufacturing assembling the hoses and bellows.

SPECIALIZED SERVICES

Specialized services need more care and focus than the normal carbon steel jobs; the way of doing fit-up and welding. The timely stage-wise inspection will accomplish the quality of products.

A specific area for fabrication is a “ must do” thing to meet required quality and to last long of the specialized products.

Stainless Fabrication

Fabrication ‘means a lot’ for stainless, heat dissipation is high compared with carbon steel, we must have to give proper supports and welding techniques to avoid the bending or twisting of the products. Commonly used stainless steels such as SS304, SS316/316L & SS317 Comes under our range.

Duplex, Super Duplex Fabrication

High heat dissipation is a very critical phenomenon when working with duplex and super duplex stainless steels. Need more care as well to do welding at an optimum speed. Rudiment’s experience and knowledge with these super-austenitic steels are par excellence. S31803, S2205, S32750, S32760 are the commonly used.

Inconel 625 & 825 Fabrication

Inconel is known for highly corrosive resistant even with acids. These unique characteristics make this metal ‘much harder when doing fabrication’. And Rudiment is confident to overcome these difficulties with our past experience. And we assure you the best and reliable services on this exotic material. Inconel 625 & 825 have come under our scope of work.

Hastelloy Fabrication

Hastelloy is with high molybdenum content and its more resistant to acids even at high temperature. It can even survive the severe environmental conditions. This high-quality metal fabrication makes us proud. We have strong expertise dealing with these super-alloys with good resources of supply. C-276 is commonly used grade in Hastelloy.

Aluminum Fabrication

Aluminum fabrication & Welding comes under the scope. We are capable of doing structural fabrication and piping with this high conductive metal. Welding techniques are distinctive and its best to do with well-experienced fabricators and Rudiment is one of them.

CUSTOMIZED ENGINEERING DESIGNS

Rudiment has a well experienced and trained workforce to accomplish urgent and crucial customized designs.

2D & 3D Drawings

Our drafting capability starts with 2D drawings extending to complicated 3D drawings. Well experienced & stimulated design engineers with their own perspective to meet customer requirements and satisfaction.

Structural Design & Analysis

Bending moments and shear forces are non-negligible part of the stress development in structural analysis. To optimize & cost effective the design, we have to analyze the structure based on the project codes, and we are capable of make things happen with due importance for standard, cost-effective and lasts long design.

Piping Design & Analysis

High-stress development in piping must be avoided. Stress can be even the cause of blasting of the piping. We must have to give proper supports, branch connections with relevant lengths and proper fitting to avoid overstress in the long run. This can be only possible by analysis the stress in the piping.

Tank Design & Analysis

We are capable of designing & manufacturing tanks with ASME SEC VIII DIV 1 & 2, API 650, API 620 Standards, Roark's and Youngs Formulae and also with the 'Good Engineering Practices'.

Simulation Using Solid works

We have an expert team of engineers for doing the Linear Simulation, which shows you how exactly the structure behaves when the load comes up.

MANUFACTURING FACILITY & CAPABILITY

Manufacturing Area

Carbon steel Fabrication Area	27000 Square feet
Material Storage Area	4500 Square feet
Stainless & Exotic metal Area	6500 Square feet
Total	38000 Square feet

Work Force

Sl	Designation	Total
1	Structural Fabricators	14
2	Piping Fabricator	10
3	Tig & Arc Welders	11
4	Arc welders	10
5	Mig Welders	8
6	Turner	5
7	Milling Operator	2
8	Gas cutters	6
9	Riggers	22
	Total	78

List of tools & equipment

Sl.	Description	Specification	Qty
1	Heavy duty Lathe Machine, Conventional	2.8M Long Bed,	1
2	Light duty Lathe Machines -Centered		5
3	Light duty Lathe Machines -Eccentric		1
4	Light duty Milling Machines		2
5	Bending Machines	6mm thk Stainless Steel	2
6	Shearing Machines	6mm thk Stainless Steel	2
7	Automated Band Saw	Up to 300mm Día	1
8	Automated Beam Cutting Saw	Up to 400mm Día	1
9	CNC Mild Steel Profile Cutting Machine	Up 120mm thk Mild steel	1
10	Plate Rolling Machine	6mm thk SS316	2
11	Slotting Machine	10mm thk Mild steel	1
12	Hydraulic Press	100 Ton	1
13	Pressure Testing Units	Up to 10000Psi/690Bar	4
14	Mig Welding Machine		13
15	Arc Welding Machines		6
16	Tig & Arc Welding Machines		13
17	Heavy Duty Radial Drilling Machine		2
18	Gas Cutting Machines		6
19	Baking Oven		1
20	Holding Oven		8
21	Polishing Machine		1
22	Buffing Machine		2
23	Steel Marking / Engraving Machine		1
24	Air Compressors		4
26	Vernier Caliper		10
27	Micrometer		1
28	Dial Gauge		1

ENGINEERING CAPABILITY

Project Team

Sl	Designation	Name
1	Managing Director	Rajeev Manaparambil
2	Operation Manger	Girish Kumar
3	Sales Manager	Dinil Dinesh
4	Production Manager	Suresh Kannan
5	QHSE Engineer	Naveen Malla
6	QC Inspector	Manohar Sai
7	Project Engineer	Ranjan Hegde
8	Production Supervisor	Safeer Ali
9	Sales Engineer	Rahul
10	Design & Drafting Engineer	Dharanidharan
11	Electrical Engineer	Prageeth Menchery

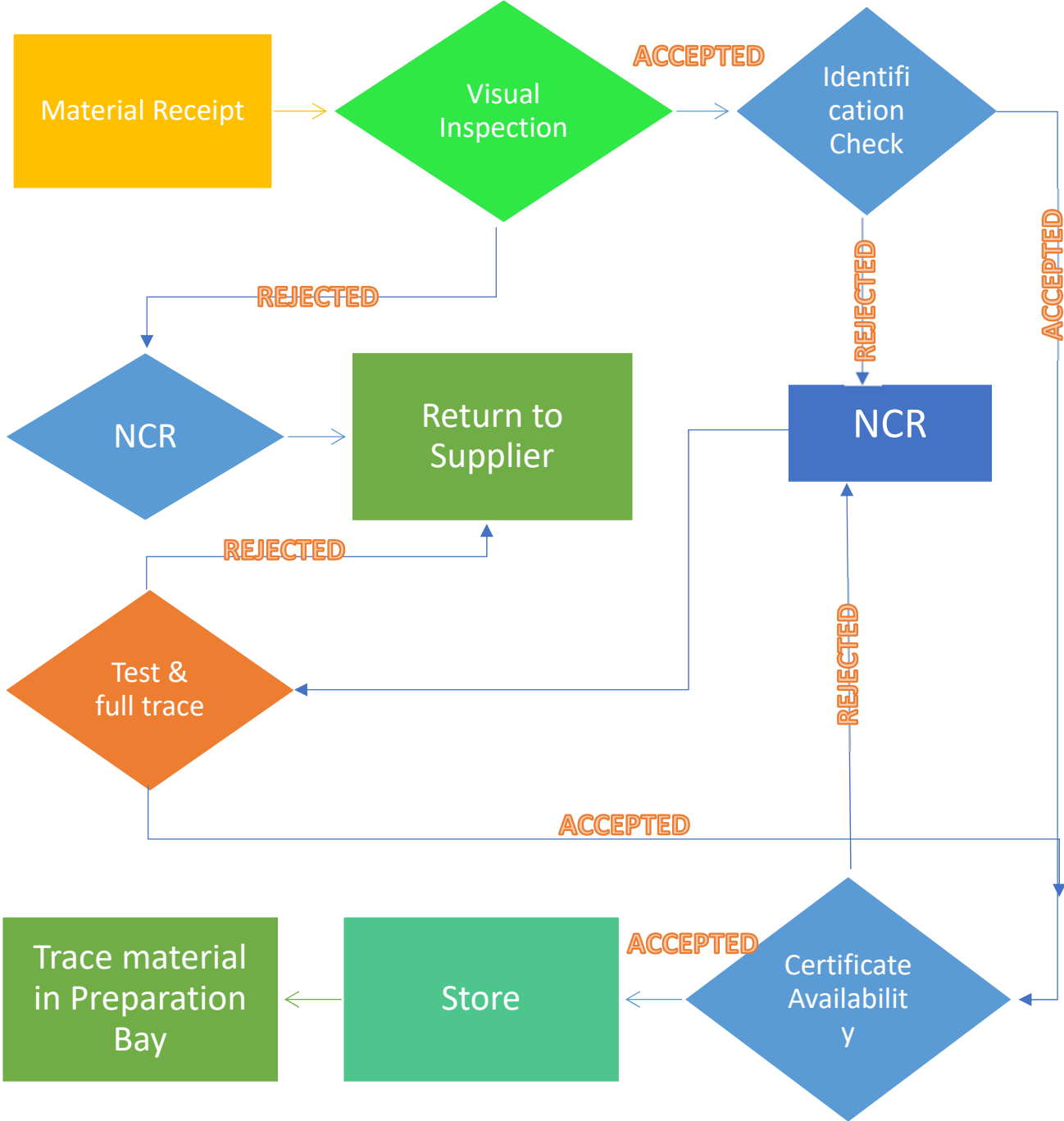
Software Packages

Sl	Software	Application
1	Autocad-2019	2D & 3D Design & Drafting
2	Solidworks-2018-Premium	3D, Part, Assembly, Piping & Simulation
3	Staad Pro-2019	Structural Design & Analysis
4	PV-Elite	Tank Design & Analysis
5	Ceaser II	Pipe Stress Analysis
6	Microsoft Excel	Project management

PROCUREMENT PROCEDURE



MATERIAL RECEIVABLE INSPECTION



MANUFACTURING PROCEDURE



QUALITY CONTROL PROCEDURE



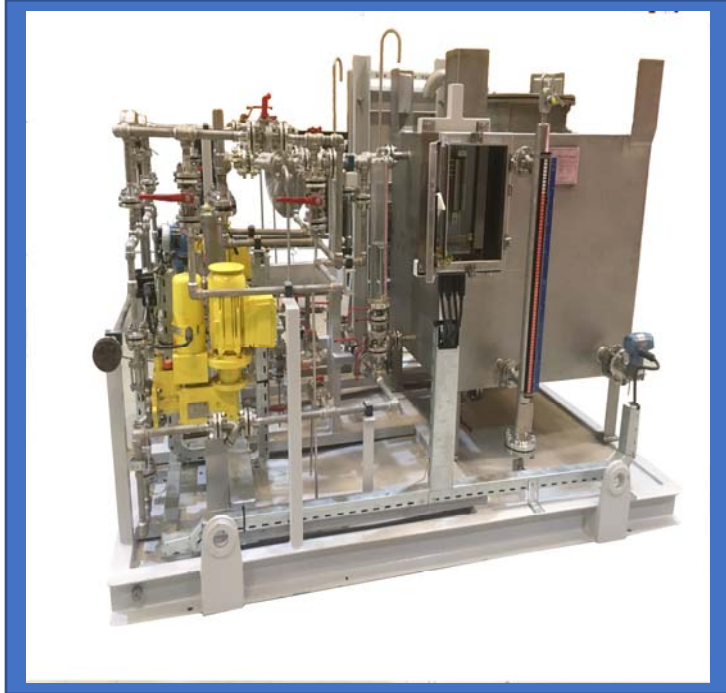
SIGNATURE PROJECTS EXECUTED



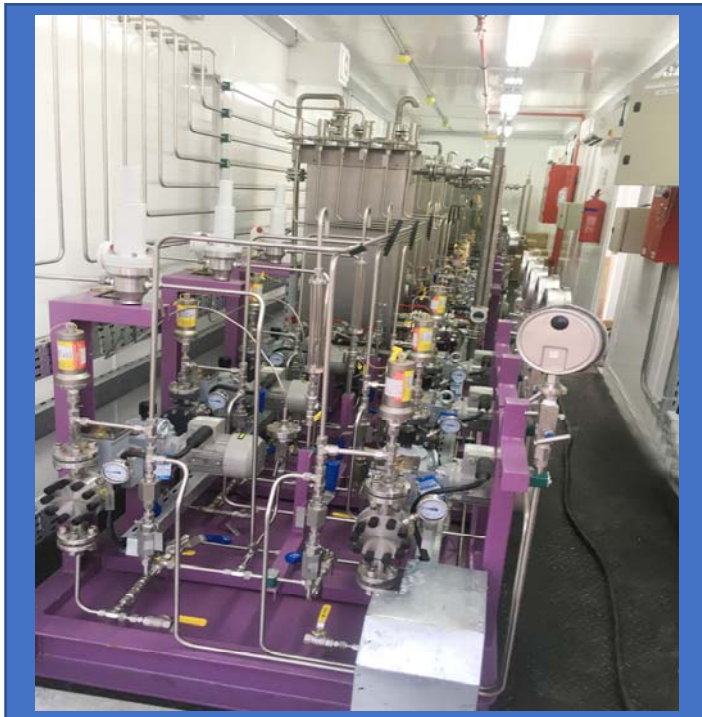
Waste Water
Treatment -Polymer
Dosing Station for
Saudi kayyan



Chemical injection skid-
GPIC Refinery
Upgradation



Butadiene DBN-
Petrokemya
Chemical Injection Skid



Samra Phase IV-
Steam Turbine Power
Plant – 40-Foot-High
Cube Containerized
Dosing Station
Sepco-Samra Jordan



Neutralized Water Dosing
Station

98 % H₂SO₄ Acid & Caustic



Az-Zour Containarized
Dosing Stations





Cylindrical
Vertical Tank
ASME SEC VIII

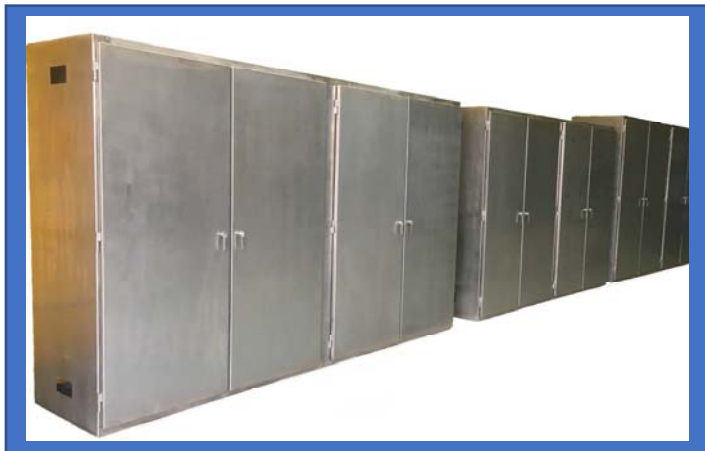


Level Transmitter Chambers





UNS S32760 Super-Duplex
4" SCH120 Volume Pots



IP Rated SS316L Cabinets



Heat Exchanger Skid



CI Skids Vertical
Packages for Bab
Integrated Facilities



Flow Metering Skids for
Sonatrach Algeria



CI Skids for SOCAR



CI Skids for PETRONAS



**SWRO Pump Skids for SUEZ WATER
TECHNOLOGIES**

LICENSES & ACCREDITATIONS



رخصة صناعية Industrial License

تفاصيل الرخصة / License Details

License No.	593969	رقم الرخصة	
Company Name	RUDIMENT ENGINEERING (L.L.C)	اسم الشركة	
Trade Name	RUDIMENT ENGINEERING (L.L.C)	الإسم التجاري	
Legal Type	Limited Liability Company(LLC)	الشكل القانوني	
Expiry Date	11/04/2024 تاريخ الإنتهاء	Issue Date	12/04/2007 تاريخ الإصدار
D&B D-U-N-S ®	561708657 الرقم العالمي	Main License No.	593969 رقم الرخصة الأم
Register No.	1008395 رقم السجل التجاري	DCCI No.	118094 عضوية الغرفة

الأطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الإسم	No./الشخص
	Manager / مدير	India / الهند	رشيما راجيف	246333

RESHMA RAJEEV RAJENDRAN
MANDAKATHINGAL

نشاط الرخصة التجارية / License Activities

Lathe Workshop	ورشة خراطة
Steel Fabrication & Welding Workshop	ورشة للحداة واللحام

العنوان / Address

Phone No	971-04-8804277	تليفون	P.O. Box	83518	صندوق بريد
Fax No	971-4-8804299	فاكس	Parcel ID	599-1115	رقم القطعة
Mobile No	971-55-7749863	هاتف متحرك			البريد الإلكتروني / Email

مستودع رقم 10 ملك علي لوتاه واحمد لوتاه - جبل علي الصناعية

الملاحظات / Remarks

Print Date 12/04/2023 19:55 تاريخ الطباعة Receipt No. 14949048 رقم الإيصال



يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/ اتصالات) للحصول على إذن الدفع.
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CERTIFICATE

Management system as per
ISO 9001 : 2015

The Certification Body TÜV Middle East hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

Rudiment Engineering L.L.C
P.O Box.: 83518, Plot No 599-1115, WareHouse
No.10, Lootah WareHouse, Jebel Ali Ind Area 1
Dubai, United Arab Emirates



operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed through periodic surveillance audits for conformity within the validity of the certificate

IAF Code: 28, 29.1, 34.1 & 34.2

Scope

- Design, Engineering, Procurement, Manufacturing & Installation of Chemical Injection Skids, Piping, Tanks and Structures for Oil and Gas, Petrochemical and Power Sectors.

- Supply of Oil Field Equipments

Certificate Registration No. IAS 01 2200328
Audit Report No. 8000 3156

Valid from 29-08-2023
Valid until 28-08-2026
Initial certification 2020



Certification Body
TÜV Middle East

Abu Dhabi, 11-07-2023

TÜV Middle East, Mezzanine Floor, Danat Tower A, Airport Road, P.O. Box 46030, Abu Dhabi, UAE

www.tuvme.com





Certificate Of Registration

Awarded to

RUDIMENT ENGINEERING L.L.C

at

P.O.BOX NO: 83518, SHOP# 10, GATE# 10, LOOTAH WARE HOUSE, JEBEL ALI INDUSTRIAL 1st , DUBAI,
UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS & ISO standard requirements for registration of the management system standard detailed below:

ISO 14001:2015

Environmental Management Systems

Scope of work

DESIGN, ENGINEERING, PROCUREMENT, MANUFACTURING & INSTALLATION OF CHEMICAL INJECTION SKIDS, PIPING, TANKS & STRUCTURES IN OIL & GAS, PETRO CHEMICAL, & POWER SECTORS, SUPPLY OF OIL FIELDS EQUIPMENT

IAF 28,34,14
Certificate No: ADU-5685
Originally Registered: 26 JUN 2023
Latest Issue: 26 JUN 2023
Valid up-to: 25 JUN 2026



Quality Registrar Systems



UAE OFFICE ADDRESS

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Abu Dhabi, United Arab Emirates
www.qrs-intl.com
Tel: 02-3096166

WORLDWIDE CERTIFICATION

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Certificate Of Registration

Awarded to

RUDIMENT ENGINEERING L.L.C

at

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DUBAI, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS & ISO standard requirements for registration of the management system standard detailed below:

ISO 45001:2018

Occupational Health and Safety Management Systems

Scope of work

DESIGN, ENGINEERING, PROCUREMENT, MANUFACTURING & INSTALLATION OF CHEMICAL INJECTION SKIDS, PIPING, TANKS & STRUCTURES IN OIL & GAS, PETRO CHEMICAL, & POWER SECTORS, SUPPLY OF OIL FIELDS EQUIPMENT

IAF 28,34,14
Certificate No: ADU-3963
Originally Registered: 26 JUN 2023
Latest Issue: 26 JUN 2023
Valid up-to: 25 JUN 2026

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