



SAM WELLS INTERNATIONAL OPERATION AND MAINTENANCE

COMPANY PROFILE

2024

**This Profile is updated periodically to
keep pace with company updates**

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ABOUT US

Welcome to SAM WELLS International, your partner in excellence for oil field services, product supply, and innovative waste management solutions. As a leading player in the industry, we take pride in our commitment to quality and sustainability.

Our head office in Khartoum Sudan with main trading offices in Dubai, Service office in Abu Dhabi and branch offices and representation in South Sudan, Uganda ,Egypt, Qatar, Turkey and China.

With over 5 years of experience in serving the energy industry we are expanding and our services and supplies and that is marked by a distinguished performance of top quality standards.

Core Business

SAM WELLS International specializes in delivering top-notch oil field services, ensuring a seamless supply of industry-leading products, and providing cutting-edge waste management solutions. Our focus on excellence and sustainability sets us apart.

Strong Partnerships

In collaboration with a group of reputable companies, we have established a sisterhood relationship, diversifying our activities. With a robust presence in the Middle East, we are key players in the international petroleum products market, serving as both service providers and suppliers.

Oil Industry Expertise

At the forefront of the oil industry, SAM WELLS International offers essential equipment and services for upstream and downstream disciplines. Our strategic partnerships with overseas companies and manufacturers highlight our commitment to delivering cutting-edge solutions.

Sustainability Focus

Going beyond conventional services, we are dedicated to environmental responsibility. SAM WELLS International specializes in renewable energies and environmental management, including the execution of sustainable waste-to-energy projects.

Join us on our journey at SAM WELLS International, where we pioneer excellence, sustainability, and innovation in the oil and gas industry.



OUR MISSION

At SAM WELLS International, our global mission is to illuminate the world with sustainable energy solutions. We forge enduring client relationships by delivering high-value services, specializing in top-quality solar products and services. Committed to advancing green energy awareness worldwide, we empower our employees through training, consultancy courses, and open communication. Join us for a brighter, more sustainable future, wherever you are in the world.



OUR GOALS

At SAM WELLS International, our goals are clear: build a strong reputation as a key player in industrial fields, particularly in the oil industry. We aim to increase assets and investments to enhance service development while establishing a solid base of key customers. These objectives reflect our commitment to excellence and sustained growth in the dynamic realm of industrial services.



OUR VISION

At SAM WELLS International, we envision being a fully independent and integrated services provider with multidisciplinary expertise, upholding the highest international standards of professionalism. Our aim is to consistently exceed the expectations of our valued customers.





OUR VALUES

At SAM WELLS International, our commitment to client satisfaction is at the core of our success. It stems not only from our dedication but also from the values that govern our operations. These values serve as the foundation for everything we do:

Guiding the way with vision and purpose.

Fostering creativity and embracing progressive solutions.

Upholding honesty and ethical standards in all endeavors.

Communicating openly and transparently.

Ensuring equity and impartiality in every interaction.

Making a positive impact on our community and beyond.

Consistently delivering on our promises.

Upholding a diligent and principled approach to our work.

SE

QUALITY, HEALTH, SAFETY, AND ENVIRONMENT POLICY

At SAM WELLS International, our commitment to maintaining an exceptional record in Health, Safety, and Environment (HSE) and quality is paramount. Our comprehensive HSE Manuals and Quality Manual underscore the importance of these principles in our operations. Ensuring the highest standards through Total Quality Management is not just an objective; it is the cornerstone of our business.

Key Focus Areas

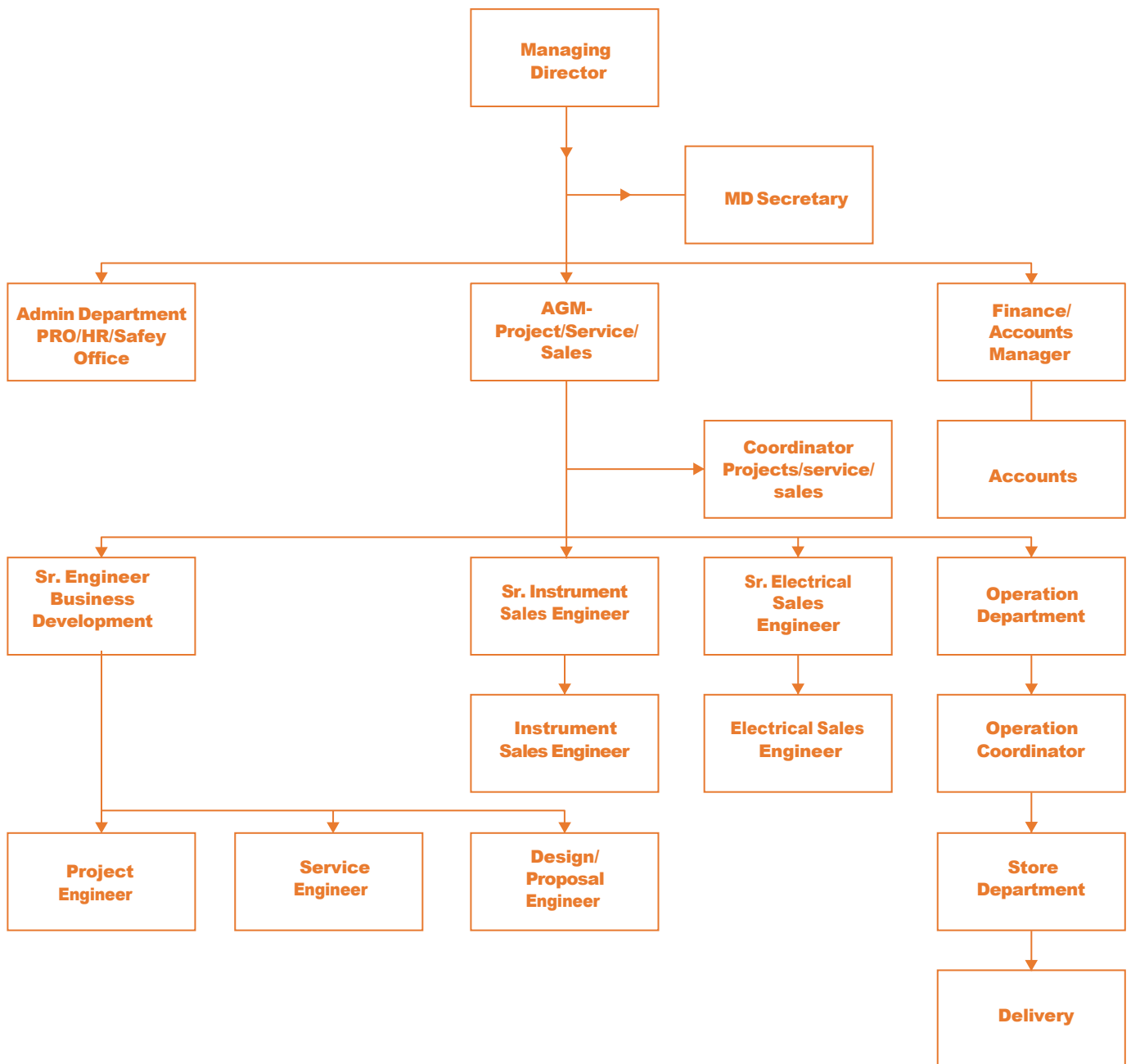
Our QHSE objectives revolve around assuring the quality of our services, aligning them with the highest standards to meet customer requirements consistently. We prioritize the safety of our personnel and the environment, integrating the strict observance of Quality, Health, Safety, and Environment principles into every facet of our operations.

Continuous Improvement

Through continuous updates and enhancements, we maintain efficiency and effectiveness in our operations. This dedication to improvement is not just a policy but a commitment to providing top-tier services while safeguarding the health and safety of our team and the environment.



ORGANIZATION STRUCTURE



SUPPLIES & SERVICES:

Outsource activates (SOM) (supply, operation and maintenance)
Annual operation and maintenance contract (AOMC)

Supply, Operation, Diagnostics and Maintenance, in different facilities

Operation

Include

standard operation procedures SOP

production and outage reports

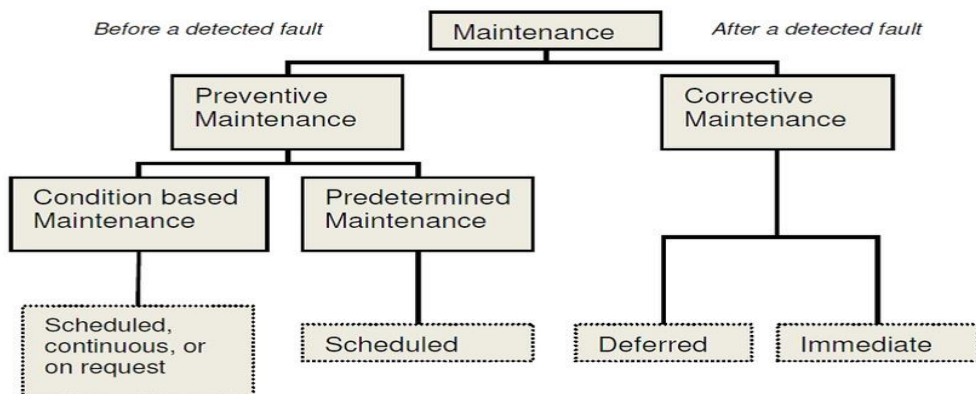
QC and KPI report

process safety report

Maintenance (continues or call out) contract

Include

standard maintenance flow chart



plane JSA and time frame duration

achievements corrective maintenance

provide maintenance spare parts

inventory control

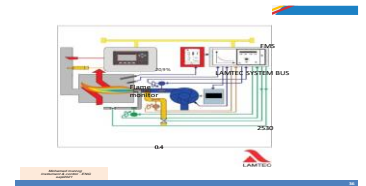
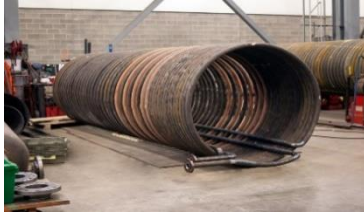
apply MAINTENANCE QAQC and generate KPIs

send maintenance report (daily, weekly, monthly, others)

All above procedure done for following facilities

Heaters & Boilers

- Follow the requirements of industry inspection standards and practices



- Identify elements of safety of pressure vessels, storage tanks and pipelines
- Plan and manage activities related to maintenance and repair.
- different type
- Boilers water tube & fire tub
- Heaters electrical heaters, thermal oil heaters system (circulation pump, exiation system and others)
- burner management system PMS, SIS system
- Different type of burners (SAACKE, BALTUR, WEISHAUP, RAY, NORTH AMERICAN and others)
- Controllers tuning
- Air fuel ratio carve adjustments

COMPRESSOR:

- **Instrument air compressor**

BLUTEK Instrument air compressor spatial industrial skid it works with different weather (hight temperature, dusty and raining area) with high quality.

- **Reciprocating compressor**

using in Associated gas recovery compressor AGR with accessories

- Gas cooler, Gas scrubbers and Gas compress stage vessels
- Compress unit electrical and automation system

Supply Service, repair



WATER TREATMENT UNITS

General Utilities



hyperchlorination plant

Removing biological contamination is extremely important in several applications, such as drinking water preparation, water treatment for pharmaceutical applications, and seawater and cooling water treatment

Disinfection systems utilize different chemical methods to eliminate contaminants. This process actively removes, deactivates, or kills microorganisms to make water healthier, prolonging the life of the treated and processed water. There are consequences if it is not disinfected; for example, if drinking water is left untreated, it can lead to illness in the people and communities it serve



Cooling Water Treatments Plants

Water is the preferred cooling medium because of its availability and chemical-physical properties. It is regularly added when evaporative cooling towers are used to compensate for the losses due to the

evaporation and the "blow-down" necessary to keep circulating water within an acceptable range of conductivity, dissolved salts, and hardness. The target is to reduce the presence of suspended solids in the make-up water to the maximum possible extent through an accurate filtration system.

In evaporative cooling towers, circulating water is also contaminated by impurities due to atmospheric airborne dust. Filtration of a partial stream of circulating water (side stream) is necessary to reduce the suspended solids content and, consequently, minimize the "blow-down" stream.

One of the problems associated with oil production worldwide is the heavy oil production, in heavy oil fields thermal recovery methods are essentially used because they tend to ease the flow by reducing the crude viscosity eventually increasing the mobility ratio. SAM WELLS Provide of Cyclic Steam Stimulation Services with steam injection generator unit.

OIL FIELD UTILITIES: ENHANCING PRODUCTION EFFICIENCY

Water Injection:

- Water is regularly injected into most oil reservoirs, providing pressure to increase and stimulate oil production. But to accomplish this role, it requires filtering, deoxygenation, and biociding.
- In onshore production facilities, the formation water separated from oil is often reinjected into the underground together with aquifer or surface water. In offshore installations, seawater is the most convenient water source for injection. Nevertheless, in both cases, even when seawater intake is from an appropriate depth or clean water from aquifers is available, injection still generally requires the same purification processes to ensure water quality.



Steam Injection Services:

SAM WELLS providing boiler and heaters repair and overhaul services, Include: –

Boilers and heaters repair and over haul.

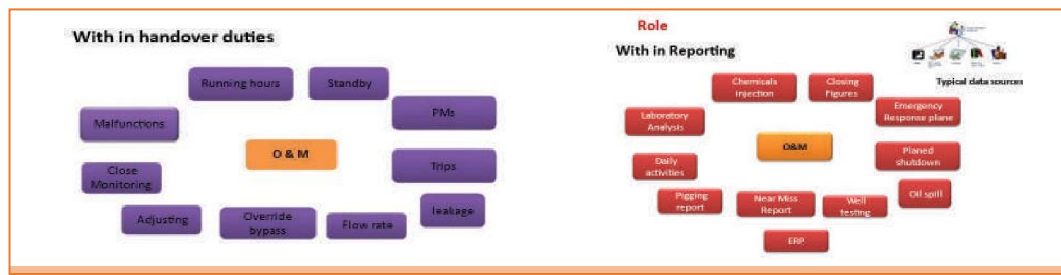
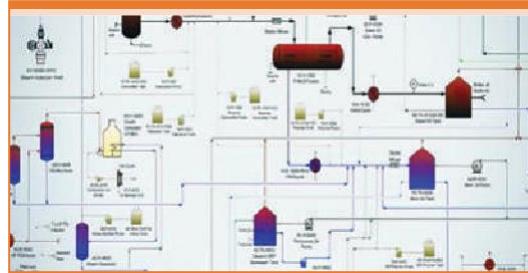
Heat exchanger repair and overhaul

Pressure safety valve PSV repair and calibration

Pumps (centre fugal, gear, plunger ...set) repair maintenance. – Electrical Classic control soft

starter variable speed drive VSD.

CENTRAL PROCESSING FACILITIES CPF & PRODUCED FLUIDS PROCESSING PFP SOLUTIONS



INSTALLATION, RUSH REPAIR, AND MECHANICAL SERVICES

Installation, Commission, Diagnostics and Maintenance for industrial equipment's include

Rush Repair:

- Provide maintenance spare parts
- Repair activates
- Apply MAINTENANCE QAQC and generate KPIs
- Send maintenance report and final report

Mechanical Services:

- Insulation, coating and panting
- Isolation and aluminium sheet jacketing for facilities (vessels, tanks, pipeline, Pump casing, Valves, Tee, Elbow, Flange)
- Fabricate for New facilities
- Renew/repair
- Coting and paint facilities (vessels, tanks, pipeline)
- New facilities
- Renew/repair



HEAT EXCHANGER SERVICES: CLEANING AND REPAIR

At SAM WELLS International, we specialize in providing comprehensive services for heat exchangers, ensuring their optimal performance and longevity. Our dedicated team offers the following services:

1 Heat Exchanger Cleaning:

We employ state-of-the-art techniques to thoroughly clean heat exchangers, removing deposits and contaminants that can impact efficiency. Our cleaning processes are designed to restore heat transfer effectiveness and enhance overall system performance.

2 Heat Exchanger Repair:

SAM WELLS excels in the repair of heat exchangers, addressing issues such as leaks, corrosion, and mechanical damage. Our skilled technicians conduct thorough assessments to identify and rectify any faults, ensuring that the heat exchanger operates at peak efficiency.

3 Heat Exchanger Maintenance:

Regular maintenance is crucial for preventing potential issues and extending the lifespan of heat exchangers. SAM WELLS offers preventive maintenance services, including inspections, lubrication, and component checks, to keep your heat exchangers in optimal condition.



TANKS AND VESSEL SERVICES: CLEANING AND REPAIR

At SAM WELLS International, we provide comprehensive services for tanks and vessels to ensure their optimal functionality and longevity. Our dedicated team offers the following services:

1 Tank and Vessel Cleaning:

We utilize advanced techniques to thoroughly clean tanks and vessels, removing deposits, contaminants, and residues that may affect performance. Our cleaning processes are designed to meet industry standards, promoting safety, and environmental compliance.

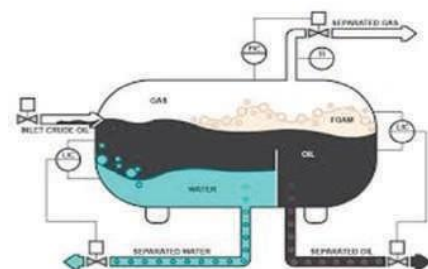
2 Tank and Vessel Repair:

SAM WELLS excels in the repair of tanks and vessels, addressing issues such as leaks, corrosion, and structural damage. Our skilled technicians conduct thorough assessments, employing effective repair solutions to restore integrity and extend the lifespan of the equipment.

3 Tank and Vessel Maintenance:

Regular maintenance is crucial for preventing potential issues and extending the lifespan of tanks and vessels. SAM WELLS offers preventive maintenance services, including inspections, corrosion protection, and component checks, to ensure the reliability and safety of your storage equipment.

Choose SAM WELLS for reliable and professional tank and vessel services, including cleaning, repair, and maintenance. Our commitment is to deliver top-quality solutions that contribute to the efficiency and longevity of your storage systems.



PUMP SERVICES: CLEANING, REPAIR, AND ALIGNMENTS

SAM WELLS International specializes in comprehensive pump services, providing expert solutions for cleaning, repair, and alignments. Our dedicated team is well-versed in handling various pump types, tailoring our services to meet specific process and application requirements.

Dynamic Pumps:

Our expertise extends to dynamic pumps, where we deliver meticulous cleaning, efficient repairs, and precise alignments. Dynamic pumps, including centrifugal and axial flow pumps, are essential components in various industrial processes, and we ensure their optimal performance.

Positive Displacement Pumps:

SAM WELLS excels in servicing positive displacement pumps, addressing the intricacies of these pumps' design and functionality. Whether it's reciprocating, rotary, or diaphragm pumps, our team provides thorough cleaning, effective repairs, and precise alignments to enhance reliability.

Our Comprehensive Pump Services Include:

- **Cleaning:** Utilizing advanced techniques to remove contaminants and residues, ensuring pumps operate at peak efficiency.
- **Repair:** Meticulous repair services to address issues such as leaks, wear, and damage, restoring pumps to their optimal condition.
- **Alignments:** Precision alignments to enhance pump performance, reduce vibration, and extend equipment

Choose SAM WELLS International for reliable pump services tailored to your specific needs. Our commitment is to ensure the efficiency and longevity of your pump systems, contributing to the overall success of your industrial operations.



ELECTRICAL TRANSFORMER SERVICES: SUPPLY, REPAIR, AND MAINTENANCE

SAM WELLS International offers comprehensive electrical transformer services, specializing in supply, repair, and maintenance. Our expert team handles various transformer types, ensuring optimal performance and longevity.

Transformer Types:

- 1 ▶ **Step-Up Transformer:**
Supply, repair, and maintenance for voltage elevation.
- 2 ▶ **Step-Down Transformer:**
Supply, repair, and maintenance for voltage reduction.
- 3 ▶ **Single-Phase Transformer:**
Tailored services for single-phase applications.
- 4 ▶ **Three-Phase Transformers:**
Supply, repair, and maintenance for industrial power distribution.
- 5 ▶ **Power Transformers:**
Efficient solutions for diverse power distribution needs.

Our Services:

- **Supply:** Tailored transformers to meet your specifications.
- **Repair:** Expert solutions for faults and malfunctions.
- **Maintenance:** Routine upkeep for consistent performance.

Count on SAM WELLS for reliable electrical transformer services, ensuring the efficiency and longevity of your electrical infrastructure.



MOTOR CONTROL CENTRE ^{MCC} SERVICES: SUPPLY, REPAIR, AND MAINTENANCE

SAM WELLS International excels in providing comprehensive services for Motor Control Centres (MCC). Our dedicated team ensures the seamless operation, repair, and maintenance of MCC units.

Motor control centre MCC

- SAM WELLS International excels in providing comprehensive services for Motor Control Centres (MCC). include
 - Low/high voltage switchboard
 - Low/high voltage switchgear
 - Low/high voltage (VSD/VFD)
- Industrial UPS and battery
- Our dedicated team ensures the seamless operation, repair, and maintenance of MCC units.

Supply Service, repair

Trust SAM WELLS for reliable MCC services, offering expertise in supply, repair, and maintenance to keep your operations running smoothly.



Overhead line (11/33 KVA)

SAM WELLS International specializes in the supply, service, and repair of electrical high-tension overhead line include

- Poles (Supports), Conductors, Insulators and Pins for Insulators
- Guy Assembly, G.I. Wire, GO Switches
- Cross-arms, L.T. Line Spacers
- Overhead Conductor Stringing, Conductor Jointing, Jumpering and Guarding
- Fitting Accessories on H.T./L.T. line, Earthing
- Anti-climbing Devices
- Testing and Commissioning
- Auto Re-closer & Sectionalizer

ELECTRICAL HEATERS: SUPPLY, SERVICE, AND REPAIR

SAM WELLS International specializes in the supply, service, and repair of electrical heaters, ensuring efficient and reliable operation in various industrial applications.

Our Services:

1 Supply:

- Providing high-quality electrical heaters for diverse industrial needs.
- Customized solutions tailored to specific requirements.

2 Service:

- Comprehensive services to optimize the performance of electrical heaters.
- Regular maintenance to enhance longevity and efficiency.

3 Repair:

- Swift and effective repair solutions for malfunctioning electrical heaters.
- Skilled technicians to address issues promptly.

Count on SAM WELLS for top-notch services related to electrical heaters, ensuring your equipment operates at peak performance levels.



ELECTRICAL HEAT TRACING: SUPPLY, SERVICE, AND REPAIR

SAM WELLS International is your trusted partner for electrical heat tracing solutions. We offer a range of services, including supply, service, and repair, to meet your industrial heating needs.

Our Expertise:

1 Supply:

- Providing cutting-edge electrical heat tracing systems for various industrial applications.
- Customized solutions based on specific heating requirements.

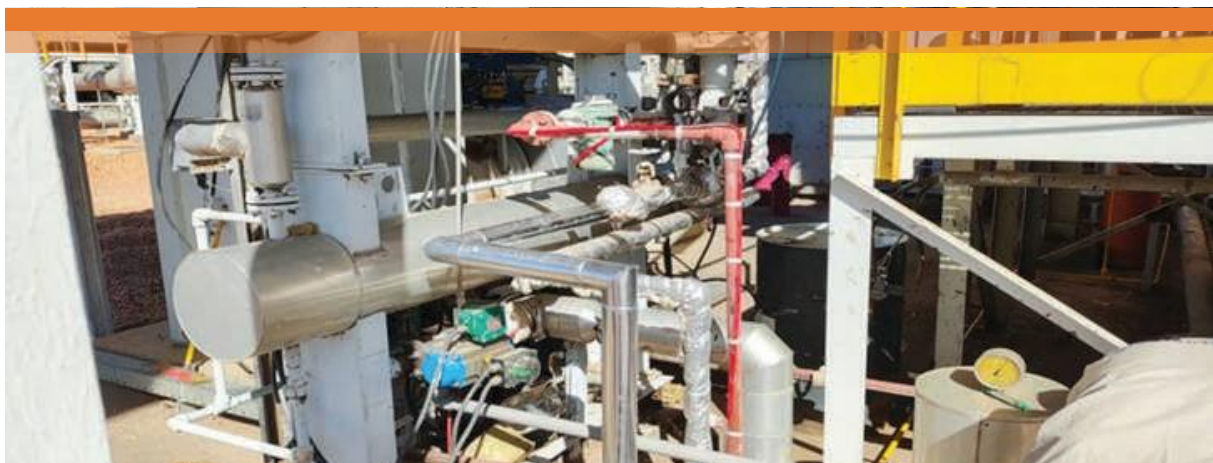
2 Service:

- Comprehensive services to maintain and optimize the performance of electrical heat tracing systems.
- Regular inspections and adjustments for consistent and efficient heating.

3 Repair:

- Swift and effective repair solutions for any issues with electrical heat tracing systems.
- Skilled technicians to diagnose and address problems promptly.

Rely on SAM WELLS for reliable and efficient electrical heat tracing solutions. Our team is dedicated to ensuring your systems operate seamlessly.



INSTRUMENTATION AUTOMATION SERVICES

At SAM WELLS International, we specialize in providing top-notch automation services for industrial instrumentation. Our comprehensive range of services ensures the reliability and accuracy of your instrumentation systems.

Our Automation Services Include:

1 Instrument Validation:

- Thorough validation checks for errors, accuracy, repeatability, stability, and reliability.
- Ensuring your instruments meet the highest performance standards.

2 Calibration and Repair:

- Precision calibration services to maintain accurate measurements.
- Expert repair solutions for instruments to extend their operational life.

3 Replacements:

- Swift and seamless replacement of instruments when needed.
- Upgrading outdated instruments for enhanced efficiency.

3 Process Transmitters:

- Calibration and maintenance of various brand transmitters, including ENDRESS+HAUSER, ABB SACE S.p.A, VEGA, and more.
- Skilled technicians to address issues promptly.

Count on SAM WELLS for top-notch services related to electrical heaters, ensuring your equipment operates at peak performance levels.



ACTUATORS – PNEUMATIC & MOTORIZED

At SAM WELLS International, we excel in delivering comprehensive solutions for actuators, specializing in both pneumatic and motorized systems. Our expertise ensures optimal performance and control for various applications.

Our Actuator Services Include:

1 Pneumatic Control Valve:

- Expertise in renowned brands such as FLOWERVE EMERSON and FISHER.
- Calibration and maintenance to ensure precise control in pneumatic systems.

2 Pneumatic Positioners:

- Calibration and servicing of pneumatic positioners from leading brands like SIEMENS, ABB, and FLOWERVE.
- Ensuring accurate positioning for enhanced process control.

3 Motor Operating Valves (MOVs):

- Proficiency in handling motor-operated valves from trusted manufacturers like GROVE DRESSER, ROTORK, LIMITORQUE, and BIFFI.
- Calibration, repair, and maintenance to guarantee reliable and efficient valve operation.

Choose SAM WELLS for advanced solutions in pneumatic and motorized actuators. Our commitment to excellence ensures the seamless operation of your control systems.



CONTROL & MONITORING SYSTEMS

At SAM WELLS International, we specialize in cutting-edge control and monitoring systems designed to elevate operational efficiency across diverse industries. Our expertise extends to oil and gas control systems, water network monitoring, and modern SCADA solutions.

Our Control & Monitoring Services Include:

1 Oil & Gas Control System:

- Proficiency in CLASSIC, PLC, DCS, and SCADA systems for effective control and monitoring in the oil and gas sector.
- Tailored solutions to enhance operational efficiency and safety.

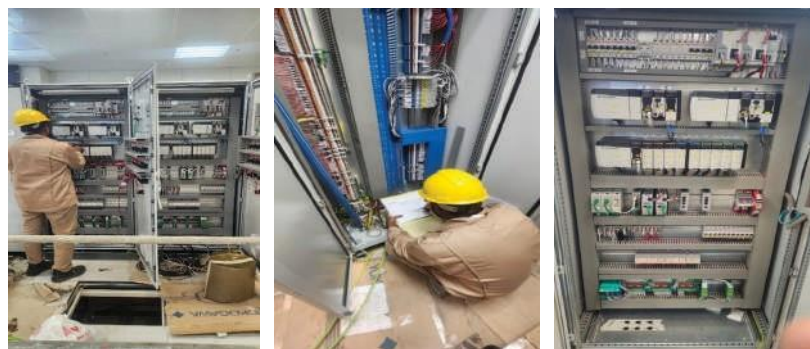
2 Water Network Monitoring Systems:

- Revolutionizing water network monitoring with advanced technologies.
- Comprehensive solutions to optimize water distribution and management.

3 Modern SCADA Systems:

- Implementation of modern SCADA (Supervisory Control and Data Acquisition) systems.
- Streamlining monitoring and control functions, providing real-time insights for informed decision-making.

Choose SAM WELLS for state-of-the-art control and monitoring solutions. Our commitment to innovation ensures that your systems operate seamlessly, enhancing overall productivity and reliability.



RENEWABLE ENERGY SOLUTIONS

At SAM WELLS International, we are committed to advancing sustainable practices through innovative renewable energy solutions. Our expertise encompasses the design, supply, service, and repair of various systems.

Our Renewable Energy Services Include:

1 Light and General Utilities System:

- Design and implementation of photovoltaic (PV) systems.
- Battery and inverter solutions for efficient energy storage.

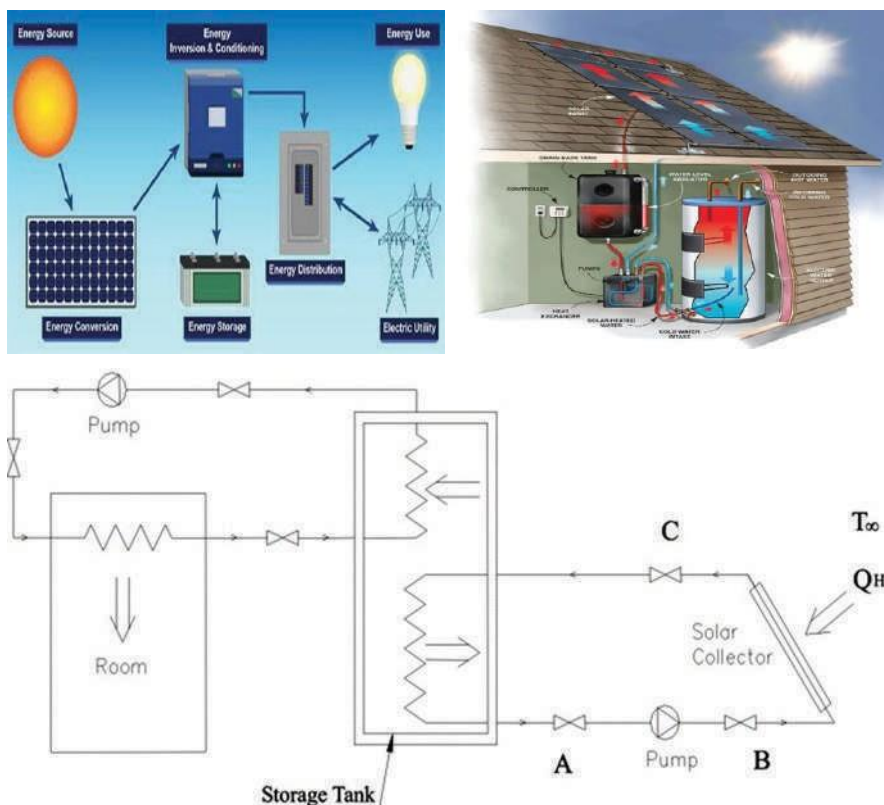
2 Water Pump Systems:

- Integration of PV, inverters, and pumps for reliable water supply.
- Sustainable solutions for remote or off-grid locations.

3 Sun Heat Systems:

- Utilization of solar heat through advanced systems.
- Incorporation of solar detectors, primary and secondary circuits for optimal efficiency.

Embrace sustainable energy practices with SAM WELLS. Our comprehensive renewable energy services contribute to a greener future by harnessing the power of sunlight for various applications.



CLIENTS AND CUSTOMERS

At SAM WELLS International, we take immense pride in fostering strong relationships with our clients and customers, whom we view as valuable partners. Our approach is grounded in respect, and this principle underlies every facet of our interactions.

★ Client Partnerships:

Our client base is growing systematically, and we are dedicated to consistently exceeding their expectations. We consider our clients as partners in progress, and our unwavering commitment is to be at the forefront of meeting and surpassing their evolving needs.

Core Values: Our operations are guided by a set of core values that define the essence of SAM WELLS:



Leadership

Pioneering solutions and setting industry standards.



Innovation

Constantly seeking and implementing cutting-edge ideas.



Integrity

Upholding the highest standards of honesty and ethics



Honesty

Maintaining transparency and truthfulness in all dealings.



Fairness

Ensuring equity and impartiality in every aspect.



Contribution

Actively contributing to the success and growth of our partners and the industry.



Reliability

Delivering on our promises and commitments consistently.



Strong Work Ethics

Upholding a strong work ethic in every endeavor.

★ Client Satisfaction:

Our team measures its success by the satisfaction of our clients. While our commitment plays a crucial role, the bedrock of client satisfaction lies in our adherence to these core values.

At SAM WELLS International, we not only meet industry standards but strive to set new benchmarks by embodying these values in everything we do



OUR PARTNERS

At SAM WELLS International, the strength of our network lies in the systematic expansion of our principals and representations. We are committed to working diligently to not only meet but exceed the expectations of our valued partners.

KEY HIGHLIGHTS:

► Systematic Growth:

Our network of principals and representations is expanding systematically, reflecting our commitment to building robust and enduring partnerships.

COMMITMENT TO EXCELLENCE:

► Exceeding Expectations:

We understand the importance of staying ahead of our partners' expectations. SAM WELLS International is dedicated to putting in the effort required to be at the forefront of our partners' needs, ensuring satisfaction and mutual success.

As we continue to strengthen and broaden our partnerships, SAM WELLS International remains focused on delivering excellence and upholding the values that define our commitment to our partners.



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