



Al-Zour Refinery Reaches its Maximum Capacity and Succeeds in Refining All Types of Kuwaiti Oils

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Al-Zour Refinery Reaches its Maximum Capacity and Succeeds in Refining All Types of Kuwaiti Oils

Al-Zour Refinery has accomplished its established strategic objective of attaining a maximum refining capacity of 615 thousand barrels per day, demonstrating its capability to accept and process all varieties of medium and heavy oils. This accomplishment is the product of a notable strategic alliance involving the Kuwait Petroleum Corporation (KPC), the Kuwait Oil Company (KOC), and the Kuwait Institute for Scientific Research, facilitating the opportunity for synergy in the development of a balanced oil mix that aligns with global operational standards while simultaneously enhancing productivity and ensuring the sustainability of operational processes, thereby strengthening the standing of the Kuwaiti oil industry on the international stage.

Operational Excellence and Leadership Role

The achievements of Al-Zour Refinery exemplify the resolute nature of national collaborations and the essence of collective effort, striving for excellence within the Kuwaiti oil sector through the enhancement of operational efficiency and the augmentation of profitability. This, in turn, solidifies the refinery's role as a pivotal centre for the advancement of the oil industry in the nation, thereby reinforcing Kuwait's stature as a significant contributor to innovation and sustainability in the refining domain.

Achieving Added Value

Eng. Ali Mohammed Al-Ajmi, Deputy CEO of Al-Zour Operations, commended the advancements achieved in the refining of heavy and medium oil in alignment with international standards, emphasizing that this accomplishment signifies a crucial progression in augmenting the intrinsic value of Kuwait's oil resources. Through the production of superior derivatives for export, we demonstrate our capacity to engage in global markets, thereby advancing our national objectives of attaining economic sustainability.



Ali Mohammed Al-Ajmi
Deputy CEO of Al-Zour Operations

Innovative Technical Solutions for Enhanced Performance

Eng. Zeyad Ahmed AlOudah Manager of the Technical Services Group at Al-Zour Refinery affirmed that the productive collaboration among the relevant stakeholders has resulted in the advancement of innovative technologies aimed at enhancing refining operations. This progress has played a significant role in lowering operational costs and boosting profitability. He stated that the refining of heavy oil yields substantial value, as it has now become feasible to produce high-quality derivatives for export, notwithstanding the technical challenges that accompany this process.



Zeyad Ahmed AlOudah
Manager of the Technical Services Group



Muhammad Fahad Al-Ajmi
Manager of Al-Zour Refinery Operations Group



KISR
البحر العلمي
KUWAIT INSTITUTE FOR SCIENTIFIC RESEARCH

Kuwait Institute for Scientific Research Contributions: Pioneering Scientific and Technical Assistance

The Kuwait Institute for Scientific Research significantly contributed to the success of Al-Zour Refinery by developing advanced simulation systems to analyse the ideal mixture of heavy oil. AlOudah commended the institute's technical expertise, noting that this scientific backing enabled the refinery to attain exceptional efficiency, meet global operating standards, and streamline the monitoring of various heavy oils, even amidst the intricate technical challenges linked to refining heavy oil.



Kuwait Oil Company: A Vital Collaborator in Reaching a Groundbreaking Milestone

The Manager of Al-Zour Refinery Operations Group, Eng. Muhammad Fahad Al-Ajmi, expressed that the Kuwait Oil Company was significant in the notable success of Al-Zour Refinery. He emphasised that the dedicated efforts of the technical teams, in collaboration with those from Kuwait Integrated Petroleum Industries Company (KIPIC), were essential in executing the requisite plans to guarantee the efficacy of operational processes. He elucidated that the formulation and execution of strategies to oversee the crude oil pipelines supplying the storage facilities at Al-Zour Refinery constituted a fundamental aspect of this achievement. Furthermore, he noted that this endeavour played a significant role in enhancing the sustainable flow of oil to the refinery, all while upholding elevated productivity levels.

He added that the collaboration between Kuwait Oil Company and the Kuwait Institute for Scientific Research has played a significant role in the development of an innovative mixture of medium and heavy oil. This collaboration significantly contributed to addressing technical challenges, such as enhancing oil refining and securing the sustainability of operational processes within the refinery, which in turn positively influenced the quality of production.



Global Marketing Sector: Continuous Supply Support

Mohammed Al-Ajmi, Manager of Al-Zour Refinery Operations Group, commended the outstanding assistance rendered by the Global Marketing Sector at Kuwait Petroleum Corporation in ensuring the procurement of essential supplies of heavy and medium oil for Al-Zour Refinery. He remarked, "These endeavours were essential to the refinery's success, as they contributed to enhancing the quality of petroleum products intended for export and strengthening their competitiveness in global markets."

Reinventing Operations Through Digital Innovation

According to Eng. Ali Mohammed Al-Ajmi, DCEO of Al-Zour Operations, the initiative of digital transformation signifies a pivotal advancement that positions Al-Zour Refinery among the leading global refining establishments. He emphasised that our dependence on contemporary and sophisticated digital technologies has significantly bolstered operational efficiency, facilitated improved communication among work teams, and ensured that decisions are made with precision through data analysis. This trend signifies our persistent dedication to attaining operational excellence and fostering the sustainability of our operations.



Empowering National Competencies: An Investment in the Future

Eng. Mohammed Al-Ajmi, Manager of Al-Zour Refinery Operations Group, commented on the remarkable capacity of national talents to confront technical challenges. He emphasised that the trust placed by the Top Management in Kuwaiti technicians and engineers served as the foundation for this accomplishment. By fostering collaboration and embracing digital advancements, our national leaders have achieved a significant transformation that underscores Kuwait's prominent role in the oil industry.



Musaed Al-Arada
Manager of the Quality Assurance Group

Assessing Risks, Overcoming Obstacles, and Ensuring Operational Resilience

For his part, the Manager of the Quality Assurance Group, Eng. Musaed Al-Arada, articulated that the company has adeptly navigated the persistent challenges posed by fluctuations in crude oil quality. This has been accomplished through a series of proactive measures, which encompass the meticulous analysis of data and oil components via collaborative workshops involving all refinery divisions. Furthermore, the identification of recommendations and preventive solutions has been pivotal in adapting to these changes, ensuring the seamless operation of units with both flexibility and high efficiency, ultimately striving for optimal profitability.

Innovative Approaches to Heavy Oil Reception Systems

Eng. Mohammed Fahd Al-Otaibi, Manager of the Gas Operations Group, articulated that precise engineering studies have been meticulously crafted to design systems for the reception of heavy oil, adhering to the most recent international standards. This endeavour has significantly enhanced equipment readiness and elevated operational efficiency. Thorough field studies were undertaken to guarantee the safety of both data and personnel, emphasising the improvement of asset availability and reliability. The studies meticulously considered all technical observations from the company's diverse specialised teams to mitigate and oversee any potential risks that could affect the company's equipment and employees.



Mohammed Fahd Al-Otaibi
Manager of the Gas Operations Group

Enhancing Efficiency through Performance Oversight and Resource Optimisation

Al-Arada highlighted that the enhancement of maintenance and operation processes has been achieved through the integration of a comprehensive digital framework. This framework analyses results and operational and maintenance rates to elevate performance and efficiency, employing precise monitoring mechanisms for equipment performance. This approach is grounded in the assessment of challenges and risks, alongside the application of global engineering standards, ultimately leading to improved resource utilisation and increased financial returns.



Prominent
Accomplishment...



Exporting the Largest Shipment of Solid Sulfur

Welcoming the first major achievement of the year 2025, Kuwait Integrated Petroleum Industries Company (KIPIC) announced on Thursday, January 9, 2025, that the granular sulphur export dock of Al-Zour Refinery received the VSC Caster tanker, hailing from Monrovia, the capital of Liberia. This marks the largest tanker in the company's history, boasting a capacity of 52,500 tonnes.

This tanker marks the 30th entry in KIPIC's registry, having arrived to load a shipment of granular sulphur destined for direct export from the dock. This operation elevates the total exports of granular sulphur to one million and twenty-two thousand tonnes, underscoring the company's significant contribution to the exportation of this indispensable product.

This recent accomplishment underscores the refinery's advanced infrastructure and its capacity to manage extensive operations, thereby strengthening its standing in the global market and within the State of Kuwait.



KIPIC's Mental Health Week

Progressing Towards a Healthier and More Supportive Workplace



Dr. Abeer Hamada

Dr. Ghunaima Jamal Ahmed

Dr. Intisar Al-Hindal

Dr. Ahmad Abdul Malak

Dr. Shahd Ali

As demands within our community's professional settings continue to escalate, prioritising mental health has emerged as an essential imperative. Striking an ideal balance between professional responsibilities and personal well-being, offering psychological support, and fostering an environment of empathy and adaptability all play crucial roles in enhancing the employee's quality of life and elevating the company's organisational performance.

In this context, and under the slogan, "Regain Your Inner Balance and Live a More Positive Life," KIPIC embraced the "Mutasaa'a Initiative" to organise the Mental Health Week, which took place from January 12 to 16, 2025, featuring specialised doctors and consultants from the oil sector. The events encompassed the company's headquarters in Al-Ahmadi, Al-Zour Admin Building, and the

Commercial Group structure in Al-Ahmadi, where there was notable engagement from employees who truthfully articulated their psychological states and the challenges they encounter in their daily lives, doing so with openness and without reservation.

The week comprised an array of profound lectures spanning five days, complemented by competitions, valuable prizes, and artistic expressions reflecting psychological states, alongside vibrant discussions and a productive exchange of ideas among medical professionals and practitioners.

As is customary, KIPIC Newspaper seized the occasion to engage in dialogues with specialists who imparted intriguing and valuable insights to the attendees, sharing their extensive experiences within this domain.

Dr. Shahd Ali

Senior Social Researcher – Kuwait Oil Company (KOC)

Dr. Shahd Ali delivered a lecture titled “Burnout and Work Pressures,” through which she explored the underlying causes of burnout and its implications for both individuals and the company.

In response to an inquiry from KIPIC newspaper regarding the most important tips for overcoming burnout, Dr. Shahd highlighted the following:

- 1- Distancing oneself from the incessant pressures of daily work, by reassessing priorities and establishing essential daily objectives, which may include engaging in reading, fostering communication with others, and incorporating brief interludes throughout the day.
- 2- The importance of regular physical activity and adequate rest ; this helps renew the employee’s energy and improve their concentration.”

3- Exercise and get enough sleep.

4- A well-rounded diet rich in essential nutrients to sustain energy levels and focus throughout the day.

In cases of significant pressure, it is advisable to seek the assistance of a specialised counsellor or therapist to address burnout appropriately.



Dr. Amina Al-Awadhi





Dr. Ahmad Abdul Malak

Family Medical Consultant - Al-Ahmadi Hospital

Dr. Ahmad Abdul Malak's lecture, "Dealing with Work Fatigue," sparked significant audience engagement and prompted numerous insightful questions for clarification. Abdul Malak observed that work-related fatigue manifests through various symptoms such as disrupted sleep patterns and insomnia, a depletion of energy, fluctuations in mood, and episodes of intense anger, often referred to as "anger explosions." He further noted that the persistence of this stress can result in a weakened immune system.

In an interview with KIPIC Newspaper, Dr. Ahmad Abdul Malak articulated the concept "to each their own" to depict the scenario of an employee who prioritises excessive labour over his mental well-being, disregarding our counsel as consultants and instead opting to pursue his own inclinations.

He elaborated by stating: Effort and perseverance hold significant value, yet they should be approached with moderation, avoiding the pitfalls of overexertion.

He commented with a smile: I, in turn, offer this counsel, but if the employee chooses to pursue an alternative path, then so be it.

Abdul Malak subsequently examined the key strategies that facilitate the restoration of both psychological and physical equilibrium in the workplace:

- 1- Alleviating work-related burdens and pressures by advocating for a clear separation from home life.
- 2- The value of engaging in physical activity to uphold both mental and physical well-being.
- 3- Adoption of suitable health practices in the workplace, including selecting lighter meals and ensuring consistent hydration.
- 4- Recommending a four-minute brief mental respite whenever required.
- 5- Engaging in regular vacations, a crucial practice for sustaining both mental and physical well-being.
- 6- Enhancing sleep quality and seeking professional advice for treatment should symptoms persist.



Dr. Intisar Al-Hindal

Family Medical Consultant - Al-Ahmadi Hospital

Dr. Intisar Al-Hindal delivered a lecture on the subject of “Sugars and their relationship to mental health,” during which she shared a personal experience detailing the pressure, tension, loss of appetite, and mood fluctuations she experienced due to workplace promotions. This culminated in her struggle with depression and insomnia. Upon adopting a more optimistic perspective, she became aware of a new opportunity that had previously eluded her. This shift enabled her to liberate herself from the burdens of pressure and the confines of overthinking, resulting in a profound transformation in her life.

In a discussion with KIPIC Newspaper, Al-Hindal affirmed that a gradual reduction in sugar intake, along with adherence to a healthy and balanced diet, were two significant contributors to the enhancement of her psychological and physical well-being.

She noted that sugars diminish our immune response, contribute empty calories, and are linked to various health issues, such as diabetes and elevated cholesterol levels.

Al-Hindal recognised the importance of employees maintaining a balanced diet composed of nutritious meals, including a selection of fruits, dates, or dried fruits, which provide natural sugars.



Dr. Ghunaima Jamal Ahmed

Dietary Systems Specialist - Al-Ahmadi Hospital

Dr. Ghunaima Jamal Ahmed delivered an insightful lecture to employees regarding the intricate connection between nutrition and mental health. She commenced with an amusing assessment and subsequently examined for KIPIC newspaper and the participants the essential nutritional components vital for cognitive well-being, including:

- **Omega-3 fatty acids:** Present in fatty fish like salmon and tuna, as well as walnuts and flax seeds, which contribute to enhanced cognitive function and a reduction in depressive symptoms.
- **B vitamins:** These include B9, B6 (folic acid), and B12. Present in eggs, meat, whole grains, and leafy vegetables, can augment the synthesis of neurotransmitters like serotonin and dopamine, thereby contributing to a better mood and alleviating stress and anxiety.
- **Magnesium:** Found in nuts, seeds, spinach, and avocados, and aids in alleviating stress and anxiety, thereby improving mood and sleep quality.
- **Vitamin D:** This vitamin is found in sunlight exposure and certain dietary sources, such as fatty fish and eggs. The lack of this element correlates with a heightened susceptibility to depression and various psychological disorders.
- **Iron:** Present in red meat, spinach, and legumes. The deficiency of iron may lead to cognitive fatigue and disturbances in mood regulation.
- **Zinc:** Found in meat, nuts, and legumes, and is considered essential for brain and nervous system health.
- **Proteins:** Contain amino acids such as tryptophan, which helps in the production of serotonin. Found in meat, fish, eggs, and legumes.
- **Complex carbohydrates:** Found in whole grains and oats. Help stabilise blood sugar levels, which positively affects mood.

She also mentioned the most important tips that contribute greatly to enhancing mental health, including:

- 1- Adhering to a balanced and diverse diet, coupled with adequate hydration to prevent dehydration and the maintenance of physical activity, would significantly improve mental well-being. This is due to the fact that malnutrition adversely impacts not only physical health but also extends its detrimental effects to psychological and mental health, potentially leading to conditions such as depression, stress, anxiety, psychological fatigue, concentration difficulties, sleep disturbances, and more.
- 2- Following an intermittent fasting as a means to prevent weight instability, as it is an effective method that helps improve metabolism and burn fat more effectively, provided you adhere to a balanced diet and engage in regular physical activity.



Dr. Abeer Hamada

General Practitioner - Kuwait National Petroleum Company (KNPC)

The Mental Health Week culminated in a distinctive consultative session led by Dr. Abeer Hamada, marking an experience that's considered the first of its kind within the oil sector. This session facilitated an extensive dialogue, addressing numerous enquiries regarding the implications of work-related stress on both mental and physical well-being, manifesting through symptoms such as depression, anxiety, stress, and subsequent panic attacks.

In reply to an inquiry from KIPIC Newspaper regarding the influence of the work environment—specifically the support from colleagues or management—on alleviating work-related stress, Hamada stated: The work environment significantly enhances the well-being of employees and diminishes psychological stress levels, thereby fostering increased productivity and reducing the experience of job burnout.

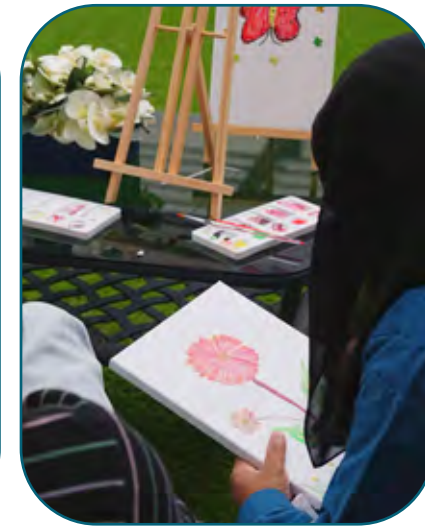
She encouraged managers and seniors to articulate expressions of support to employees, fostering team spirit and inspiring them to perform at their highest potential, thereby contributing to the establishment of a healthy work environment.

Throughout the session, Hamada implemented a deep breathing exercise for employees, aimed at alleviating stress levels, enhancing focus, and fostering positive interactions with daily pressures, thereby contributing to their overall psychological well-being.

Hamada extended an invitation to individuals experiencing stress and in need of guidance and counselling to visit her clinic at Kuwait National Petroleum Company or reach out via WhatsApp for urgent matters, emphasising her constant availability to offer psychological support and assistance at all times.



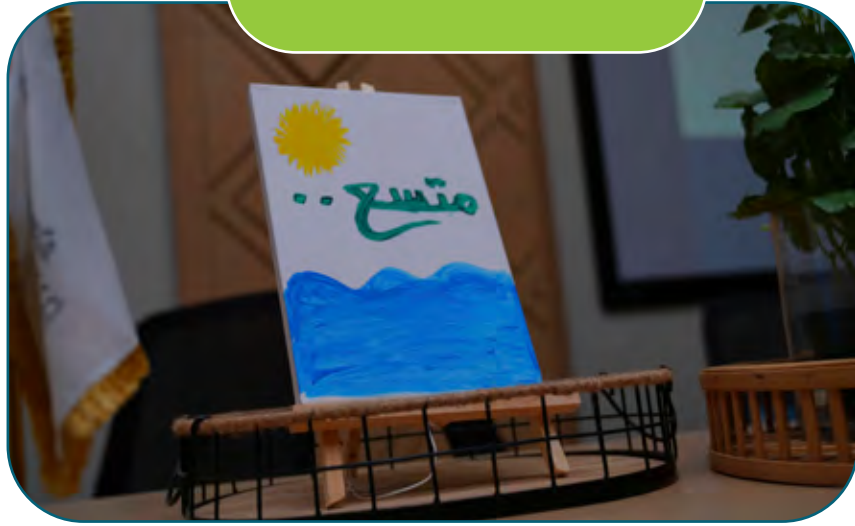
The activities



The activities



The activities



Al-Zour Tank Farm

A Workforce of 10,000 Built a Facility with Massive Storage to Boost Kuwait's Manufacturing Industries

An international partnership aims to build a state-of-the-art facility

The Tank Farm at KIPIC is a brand-new facility that has been successfully commissioned and is currently operating under normal conditions. This state of the art facility was constructed by an international joint venture of contractors, with Saipem (Italy) and Essar Projects (India) serving as the primary EPC contractors under EPC-59.





66 tanks for storing hydrocarbon derivatives

The scope of work included the construction of 66 tanks of various sizes designed to store a wide range of hydrocarbon products, including:

- Light and heavy crudes
- Low Sulfur Fuel Oil (LSFO)
- Petrochemical naphtha
- Aviation Turbine Kerosene (ATK)
- Ultra-Low Sulfur Diesel (ULSD)
- Low Sulfur Diesel (LSD)
- Intermediate process products





Tank Farm and Sea Island

Huge storage capacity

These tanks support continuous refinery operations, with a total storage capacity of approximately 17 million barrels spread across a 4 square kilometer area. The tank farm is strategically interconnected with key facilities, including:

- Al-Zour refinery
- KOC crude storage facilities
- Mina Al-Ahmadi (MAA)
- All MEW power plants

Additionally, the tank farm is connected to the KIPIC Marine Sea Island via pipelines with a total length of approximately 25 kilometers for each of 4 pipelines, of which 17 kilometers are subsea pipelines, ensuring efficient import and export of products. To facilitate the transfer and shipment of these products to their designated destinations—within KIPIC, to Kuwait consumers, and to international customers via the sea island—approximately 90+ pumps were installed on site.

The project implementation involves the contributions of 10,000 people

The project was awarded in October 2015, and during peak construction, it employed a workforce of 10,000 personnel. Managed by a Kuwaiti project management team in collaboration with Wood PLC as consultants, this massive undertaking represents a critical component of Kuwait's downstream infrastructure, ensuring smooth and reliable operations for refining production.

Release of the Updated Oil Terminology Wordbook

Corporate Communications Group announced the second edition of the Oil Terminology Wordbook, following the remarkable success of the first edition in both Arabic and English in 2022.

The dictionary serves as an essential resource for professionals in the oil sector, facilitating the enhancement of knowledge and promoting a deeper understanding of the specialised terminology employed by diverse teams within the industry.

This document is regarded as a dependable source, as it has been meticulously crafted with contributions from all company divisions, each offering valuable insights and shared terminology.

The wordbook offers a swift and efficient method for locating the required terminology in both Arabic and English, thereby conserving considerable time and effort while enhancing the productivity of the employees at Kuwait Integrated Petroleum Industries Company “KIPIC”.



Glossary Guide		Glossary Guide		Abbreviations Guide		Abbreviations Guide	
B		P		G		S	
1. Balance Sheet	القائمة المتكسبية	1. PSA (logged and abandoned)	النفوس المنسجل والمنسحق	1. GC	Gas Chromatograph Analyzers	1. S-BD	Steam Blow Down
2. Balanced Scorecard	رأبقة الكسب الكسب / رأبقة الكسب الكسب	2. Paraffine	البارافين	2. GCCIA	Gulf Co-operation Council Interconnecting Authority	2. S-OT	Structure on Job Training
3. Barrel	برميل	3. Parliament Affairs Department	دائرة شؤون البرلمان	3. GCP	Generator Control Panel	3. S/D	Shutdown
4. Base Oil	القاعدة الكسب	4. Pasture Zone	المطبة الكسب	4. GCV	Gas Calorific Value	4. S/S	Substation
5. Bbls (A barrel of oil)	وحد الكسب (برميل من الكسب)	5. Payzone	منطقة الكسب	5. GDS	Gas Detection System	5. SBF	Security and the
6. BSTU	وحد الكسب (برميل من الكسب)	6. Performance Bond	ضمان كسب الكسب	6. GEN	Generator	6. SBD	Smart 3D
7. BCF (One Billion Cubic Feet of Natural Gas)	وحد الكسب (مليار متر مكعب من الكسب)	7. Performance Guarantee Test Run	الكسب كسب الكسب	7. GENS	Generator Set	7. SA	Safety Action
8. BCF (Billion Cubic Feet of Natural Gas)	وحد الكسب (مليار متر مكعب من الكسب)	8. Permeability	النسبة	8. GFCI	Ground Fault Circuit Interrupter	8. SA	Security Audits
9. Benchmark	مربع الكسب	9. Personal Accident Insurance	ضمان الكسب الكسب				
10. Benchmark Price	السعر الكسب	10. Personal Protective Equipment	معدات الكسب الكسب				
11. Bidding Process	منسبة الكسب	11. Petrochemical	الكسب الكسب				
12. Bitumen	كسب	12. Petrochemical Industries Company	شركة منسبات الكسب الكسب				
13. Blending Plant	منسبة الكسب	13. Petrochemical Naphtha	النسبة الكسب الكسب				
14. Blow practice	الكسب الكسب	14. Petrol Station	منسبة الكسب / وند				
		15. Petroleum	بنسبة				
		16. Petroleum Training Centre	مركز كسب الكسب				