

## News

### Tatweer Releases a Performance-Based Maintenance Module for the Distortion Management System

The Distortion Management System (DMS) is a complete set of tools created to allow the management of multiple distortion contracts across Abu Dhabi municipality from one advanced platform. The system enables real-time monitoring of roadway operations, maintenance contracts, distortions rectifications, and key performance indicators. Tatweer's DMS provides innovative, automated, and straightforward workflow throughout the entire distortion lifecycle. Each workflow considers the engineering and contract management policies, practices, guidelines, processes, and procedures to provide a controlled management environment for the distortions through their lifecycle. The DMS web and mobile applications offer inspectors and maintenance contractors the tools to identify, report, request, assign, and immediately distort management work orders. Tatweer has reached the next milestone in the system's development by releasing a performance-based maintenance module. This module will help users manage the maintenance, rehabilitation, repairs, and reconstruction of road asset activities that occur immediately and without instructions. The performance-based maintenance module features live monitoring of contractors' activities, inspection live tracking, a payment/deduction process, snags/de-snags reports, and key performance indicators for monitoring and penalty issuing.



### Tatweer Innovation Center Establishment



Change is the only constant in life, and technology tends to evolve at a rate often faster than one can ensure and maintain. Tatweer has taken solid steps in enhancing its research and development capabilities by establishing a fully equipped Innovation Center as a space for all in-house development of modern products and solutions. The center is operated by Senior Research Scientists, Embedded Engineering Specialists, Artificial Intelligence Experts, Robotics Engineers, and Software Specialists. Bringing together a large and diverse community of skilled professionals to spark innovation and collaboration and

provide high-quality solutions with full functionalities in Tatweer's core fields of interest. The center's research fields include Applied Artificial Intelligence, Smart Policing Solutions, Smart Mobility Solutions, and Smart City Solutions.

### Installation of Smart Radar Systems in The City of Al Ain

Tatweer recently commenced installing smart radar systems in the city of Al Ain to support the Abu Dhabi Police's foremost road safety aims to strengthen its security and traffic system and impose more restrictions to reduce red-light running accidents. The newly installed radars can detect various traffic violations, including failure to adhere to the mandatory lane, sudden swerving, speeding, crossing a red light, and violating the yellow box. Additionally, the radars can identify vehicles wanted by the authorities and vehicles with expired registrations by tracking and reading vehicle license plates on all lanes. Al Ain's latest smart radars will be integrated with the local traffic signal controller unit. In cases of violation, the radars will alert the control room to extend the red signal duration in aims to prevent conflicting traffic and enhance traffic safety without the risk of collisions.

### Mock-up Installation for The Smart Street Lighting System



Tatweer successfully installed mock-ups for the smart street lighting system in Abu Dhabi. NOOR Abu Dhabi is the first street lighting public, private partnership project in the UAE that will perform as a reliable asset for many years if procured correctly. The project is expected to save approximately 900 million kW over the contract period of 12 years, which is almost 81% of the existing energy consumed for the street lighting network. Tatweer will achieve that through the retrofit of over 43000 LED luminaires and the implementation of an IoT

platform to manage the smart street lighting system across the emirate. Tatweer will continue to conduct the lighting field measurements needed to validate the lighting design criteria and ensure compliance with the project targets.

### Tatweer's Operations and Traffic Management Challenges Forum

Tatweer successfully launched the Operations and Traffic Management Challenges Forum chaired by Tatweer's CEO, Dr. Atef M. Garib, and key members from the Traffic and Transportation Department and Smart System Implementation Department. The forum's objective is to focus on identifying and tackling the emerging traffic operations and safety issues and challenges in the emirate of Abu Dhabi and generate suggestions for solutions. The forum will provide an outlet for leadership and analytical discourse. The forum aims to identify the traffic operations and safety issues and challenges in Abu Dhabi with the necessary supporting quantification of various indicators such as the number of incidents, traffic congestion locations, incident management, etc. Identifying the issues and challenges will be followed by suggesting tactical and operational strategies to address possible countermeasures and solutions and utilizing the latest methods and indicators based on international best practices where available.



### Tatweer's Traffic System Operations Team Participates in IDEX 2021

Members of Tatweer's Traffic System Operations team participated in traffic management events during this year's **International Defense Exhibition & Conference (IDEX)**, the only international defense exhibition and conference in the **MENA** region demonstrating the latest technology across land, sea, and air sectors of defense.

We would like to congratulate our team members who received certificates of appreciation for their contribution:

- ◆ Waleed Al Seairi
- ◆ Ahmed Hakim
- ◆ Mohamed Ali
- ◆ Mohammed Iqbal
- ◆ Kareem Ismail



### Think Before You Click A Security Awareness Message

In an effort to further enhance our company's IT Security, we would like to highlight a common form of cyber-attacks that everyone should be aware of, generally known as phishing scams. The most common way phishing scams enter corporate networks is through email. Often, scammers will include malicious links or attachments in emails that may look harmless. To avoid this trap, please do not click on links or attachments from senders that you do not recognize and be especially wary of .zip or other compressed or executable file types. Additionally, do not under any circumstances provide sensitive personal information like usernames and passwords over email. Finally, watch out for email senders that use suspicious or misleading domain names.



### We Are Hiring

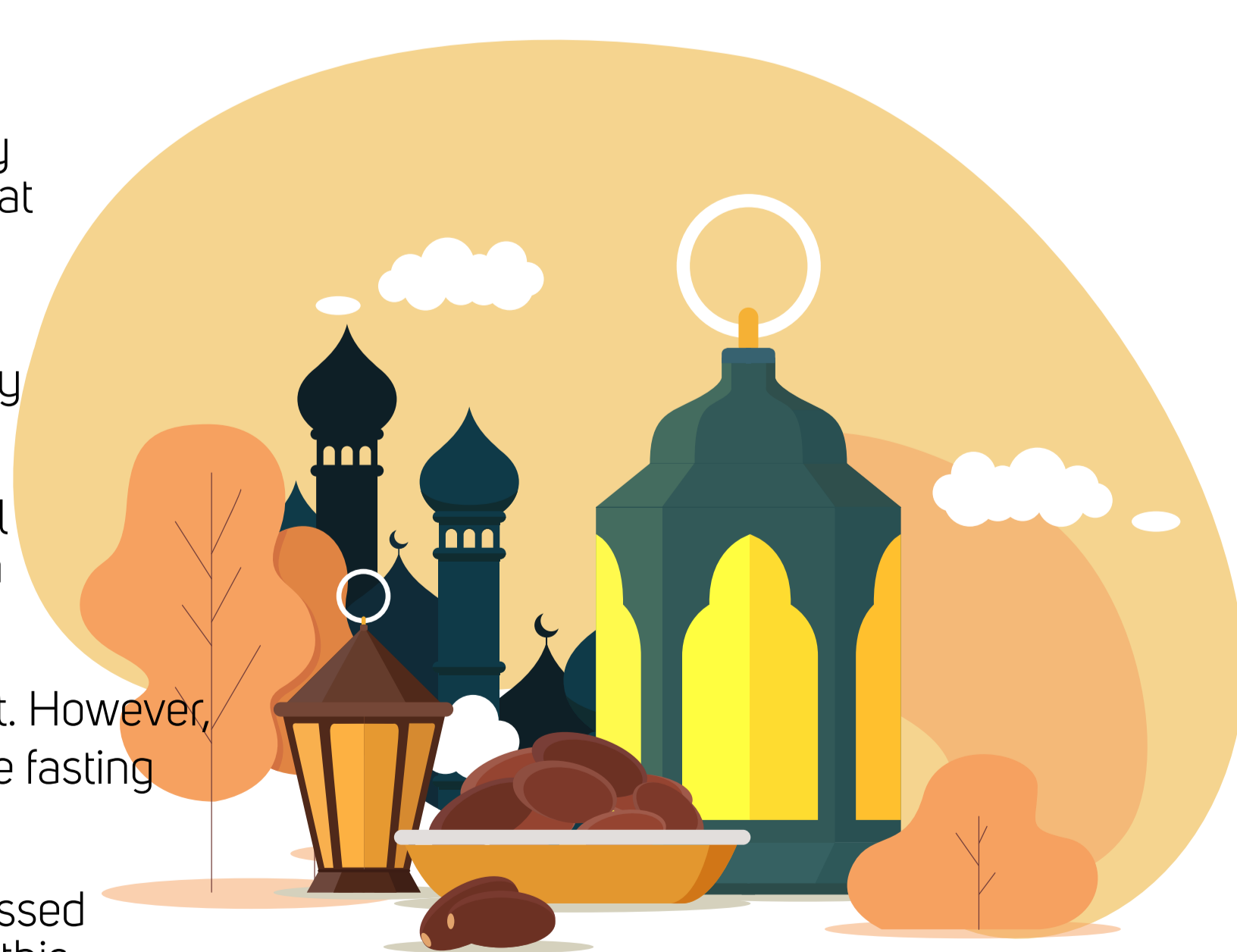
You can refer your highly qualified industry professionals to our recruitment team. Check our new openings regularly on our website and social media platforms.

- |                       |                         |
|-----------------------|-------------------------|
| Resident Engineer     | 15+ years of experience |
| Planning Engineer     | 8+ years of experience  |
| Planning Engineer     | 12+ years of experience |
| Sr. Quantity Surveyor | 15+ years of experience |

## Safety Moments

Working during the Holy Month of Ramadan is rewarding but might be quite challenging. Here are seven tips on how to stay motivated at work during Ramadan:

- ◆ **Be determined**  
Work with excitement and energy
- ◆ **Eat a good sahur meal**  
Remember, while you are refueling your energy during sahur or breaking your fast, do not overeat
- ◆ **Adjust sleeping schedule**  
Try to sleep early so you're able to wake up for sahur and still have energy for the rest of the day
- ◆ **Include other activities during work**  
Activities, such as walking around the office, will help you feel refreshed and ready to work again
- ◆ **Avoid caffeine**  
On a regular day, caffeine may help us feel alert. However, it may hurt your stomach and make you ill while fasting
- ◆ **Pray and Worship**  
If consistent worship is a struggle before the blessed month, Ramadan is the time for you to improve this



رمضان كريم  
Ramadan Kareem

TATWEER MIDDLE EAST AND AFRICA L.L.C

@tatweer\_mea

@TATWEERMEA

@TATWEERMEA