

## Insights

### Landscape Works for Sheikh Zayed Bridge



Tatweer has successfully completed the detailed landscape design for Sheikh Zayed Bridge area in Abu Dhabi City. Sheikh Zayed Bridge is considered one of the major nodes of the primary roadway network of Abu Dhabi island and the rest of the Emirates.

The design adopted the surrounding patterns and ensured raising the aesthetic of the entire area, with full integration with the site features and assets. In addition, the landscape design brings natural environmental beauty to the area, connecting the development to its localized context.

The scope of works included the landscape, irrigation, and stormwater designs, in addition to the design of a long jogging track with benches and shade structures adding vitality to the area.

**Abu Dhabi Municipality has approved the designs and the construction works are currently in progress under the supervision of Tatweer's team.**

### Black Spot Mitigation Guidelines for Rwanda

Black Spot Management (BSM) is one of the most critical road safety tools used for improving dangerous locations and sections on roads. Experience from years of black spot improvement work in developed and developing countries shows that BSM is still a highly effective engineering tool towards the improvement of road safety.



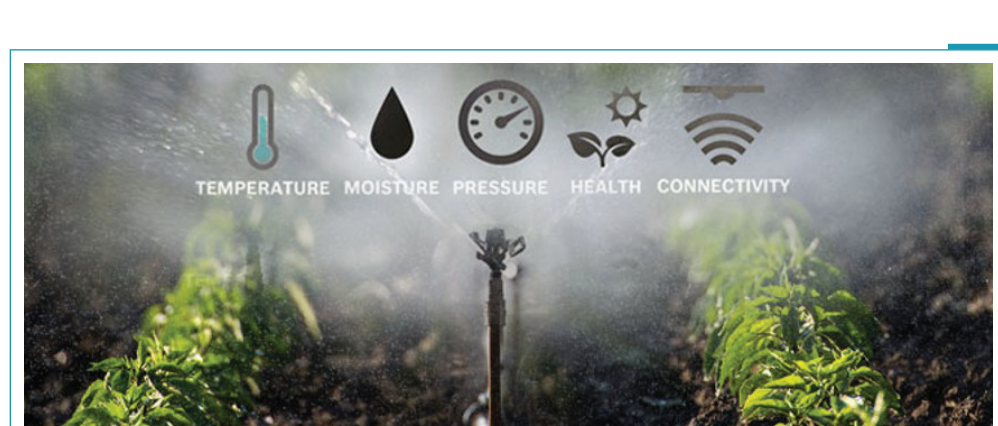
Tatweer has commenced its work on the Black Spot Mitigation Guidelines which will be tailored for Rwanda's transportation system. The guidelines will be based on international best practices and research applicable methodologies. The purpose of this task is to assess blackspot locations and propose countermeasures that align with safe system principles along with the objective of eliminating or reducing roadway injuries.

The guidelines will include methodologies of black spot identification, countermeasure strategies and options for prioritizing such countermeasures.

## Success Stories

### IoT Solutions for Irrigation Systems

Tatweer has designed a smart Irrigation solution adopting the latest technologies to upgrade conventional irrigation methods. Towards achieving the smart city objectives. The solution aims to upgrade the irrigation network in existing Public Parks. Which are currently equipped with a manual/ semi automated Irrigation network. The smart Irrigation new system collects relevant data including temperature, humidity, carbon dioxide and salinity.



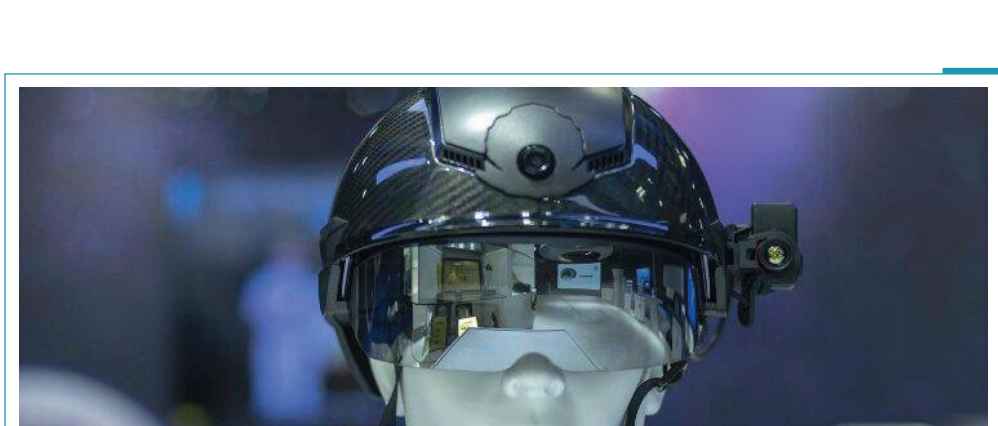
The data is collected by LoRaWAN® network gateway and transmitted to the data monitoring (IoT) platform for analysis and accurate decision making. The system results in an improved planting environment and reduction in power/ water consumption leading to a smart and sustainable irrigation scheme.

#### Solution Benefit

- > Remote Water Saving & Controlling Solution
- > LoRaWAN® Enabled IoT Sensor – No cables
- > Battery Powered System
- > Cost-Effective
- > Expandable System
- > Open Architecture
- > Less Maintenance cost

### Smart Helmet Solution

Tatweer is continuously bringing smart solutions to Law Enforcement agencies by adopting the latest innovative technology while utilizing existing communication infrastructure. Implementing Artificial Intelligence (AI) Technologies to introduce Smart Helmet to enhance the efficiency



of the enforcement tasks towards the public health and safety, The Smart Helmet is equipped with Artificial Intelligence enabled cameras and sensors that can perform more than 37 types of analysis including automatically measure the temperatures of pedestrians within a large crowd in addition the helmet is equipped with facial recognition features to identify wanted suspects, it also has the capability of license plate number recognition to alert for wanted vehicles.

The Smart Helmet inform the officer and the Command & Control Center of any instants detected, in order for the Control Center to take required actions immediately.

## Ongoing Project Update

### Tatweer signed a Contract with Abu Dhabi Municipality (ADM) for a 3-years project

Tatweer was awarded the specialized works of parks and landscaping project, The project scope will include: Studies, design, and construction Supervision/technical services for all miscellaneous and improvement works in the field of Parks and Landscaping in Abu Dhabi City (Abu Dhabi Island and Mainland).

## Achievements

### DRM Design for Traffic Safety Improvement in Al Dhafra Region Cities

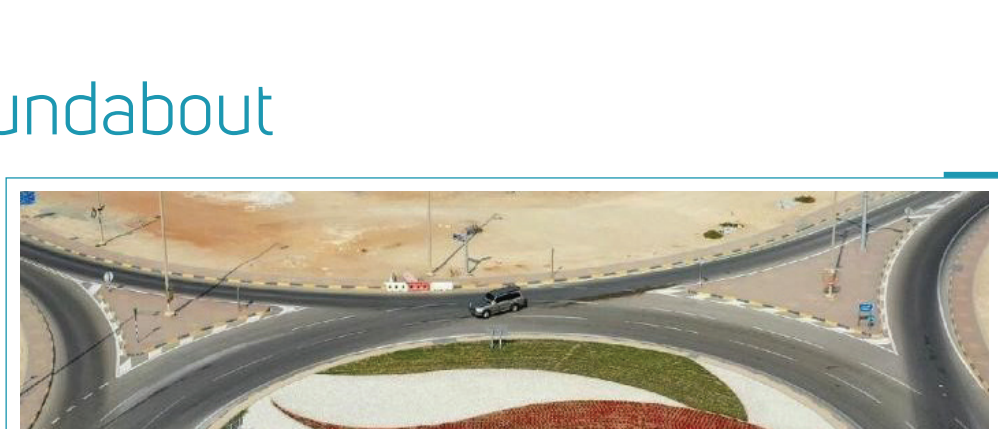
Tatweer has successfully completed the project to provides consultancy services for the design of Traffic Safety Improvement in Al Dhafra Region cities.

Through the project, Tatweer has completed road safety inspection for road infrastructure at 12 locations including 3 schools and provided valuable studies that identified hazards conditions at the studied locations and provided collision remediation recommendations based on engineering design/upgrades, awareness or enforcement recommendations both individually and in combination as appropriate. In addition, Tatweer has successfully completed the Concept, preliminary, and detailed designs for package 1 which consisted of 6 roundabouts in different cities in Al Dhafra Region, smart traffic light signal with electronic gates for the civil defense, and package 2 which consists of signalized intersection in front of DRM new HQ in Madinat Zayed. Moreover, Tatweer prepared and submitted tender documents for both packages.

It is worth mentioning that this project will complement the third priority area of the Government's 2030 Vision for Abu Dhabi that aims to provide world-class traffic and transport systems to ensure a safe and secure society for citizens, residents, and visitors alike.

### Landscape Works for Al Bahiya Roundabout

The design adopted the context of the surrounding and ensured raising the aesthetic of the entire area. The roundabout Using of about 4,956 seasonal flowers, 675 sqm of groundcovers and 62 sqm of decorative gravels integrated in creative architectural

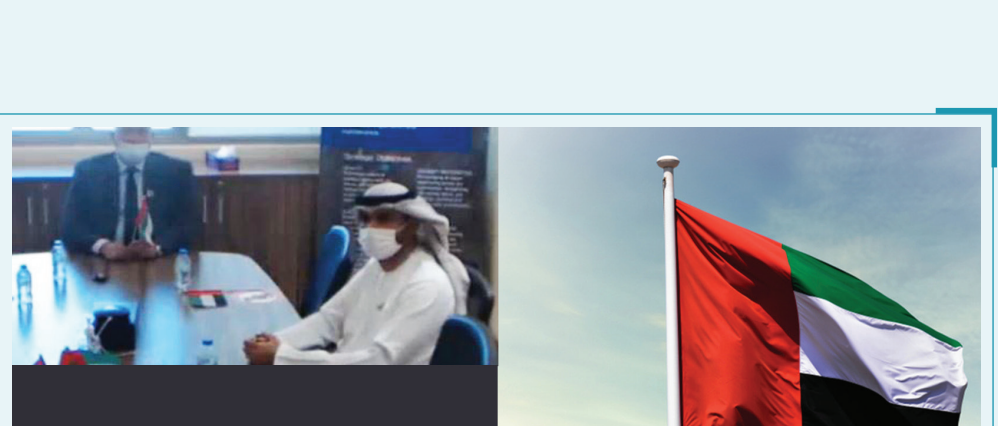


The work construction has been completed as per the official announcement through Abu Dhabi Municipality platforms.

Link: <https://www.instagram.com/p/CI2h1VcFAX2/?igshid=o518o1g8149n>

## Corporate News

On the occasion of the United Arab Emirates Flag Day. Tatweer organized its first virtual celebration for its employees. The ceremony started with the poetic description of the history of the UAE's flag, the story behind the design of the flag, the significance of each color and what it stands for.



Tatweer family members attended the UAE national anthem, reflecting the feeling of solidarity and unity. At the end of the ceremony, Dr. Atef Garib, Chief Executive Officer and Eng. Ahmed Alseiri, Executive Director of Tatweer delivered a speech on the occasion by wishing the nation success and continuous development towards achieving its goal.

## Safety Moments

In the office, cybersecurity is everyone's responsibility. By following simple online safety best practices, you can avoid becoming the next victim of a cyber-attack. Following few tips for Cyber safety at work.

### Keep your password safe

Change them regularly Using the same password can increase the risk of a hacker gaining access to your accounts, company or personal information.

### CTRL ALT DEL when you leave your seat

Unless you want to leave your computer open to anyone, with all your documents, files, confidential information at hand, then lock your computer every time you leave your seat.

Even if you're only popping to the kitchen for a cup of tea, or a quick bathroom break – its good sense to get into this habit, so that you and only you can gain access to your computer.

### Don't be tricked into clicking on links/attachments

With a lot of emails coming into your inbox every day, it's easy to be tricked into clicking on an attachment or link that looks like it was sent from someone you know. With phishing emails becoming more realistic and convincing, you should still always be cautious before you take any action.

### Update your computer

keeping your software up to date is one of the best ways of protecting against malicious code and hacking attacks.

