TATWEER
Middle East and Africa

Newsletter

Issue 19
Q1 2023

We are excited to share the latest updates from Tatweer, a leading smart city firm that is committed to enhancing the efficiency and effectiveness of government services.

New **Trade Shows**

World Police Summit

As we are committed to innovation and excellence in our field and eager to share our expertise with the community, Tatweer had the pleasure of exhibiting at the World Police Summit 2023 in its second edition, a great platform for sharing insights and knowledge, showcasing our innovative solutions and connecting with like-minded individuals and businesses, all working towards a common goal of creating safer communities.

UAE Innovation Month 2023

Integrated Transport Centre (ITC)

Tatweer marked a successful participation in the "UAE Innovates" initiative organized by the Integrated Transport Center in Abu Dhabi. An excellent opportunity to showcase the innovative solutions to a wider audience and highlight our commitment to driving innovation in the transportation sector. We were delighted to be recognized by ITC through a certificate of appreciation for our contribution and hard work.

Ajman Municipality

Tatweer was privileged to partner with Ajman Municipality at the UAE Innovation Month 2023 to showcase several innovative solutions. The largest nationwide celebration of innovation in the United Arab Emirates. This distinguished platform granted an opportunity to exchange knowledge, best practices, and future joint operations. Among the solutions presented by Tatweer were the Road Assets Inspection Vehicle, Parking Management System, High Speed Weigh-In-Motion, and Smart Lighting System.

Launching **New Products**

Green Energy Bi-Directional Speed Radar

Our team of skilled engineers have been working diligently to develop a cutting-edge radar system that meets the needs of modern transportation infrastructure. The advanced speed radar system can detect the speed of moving vehicles in both directions with the ability to change configuration and functions remotely for different enforcement and traffic safety objectives. The system enjoys the below features:

- Coverage up to 6+2 Lanes
- Solar Power
- Vehicle Classification for different types (Light Vehicle, Heavy Vehicle, Minibus, School Bus, Motorbikes)
- Power Storage up to 48 Hours without sunlight
- On-Edge storage up to 4000 violations
- On-Edge ANPR processing
- Covers a single direction at the same time and rotates remotely to cover the other direction

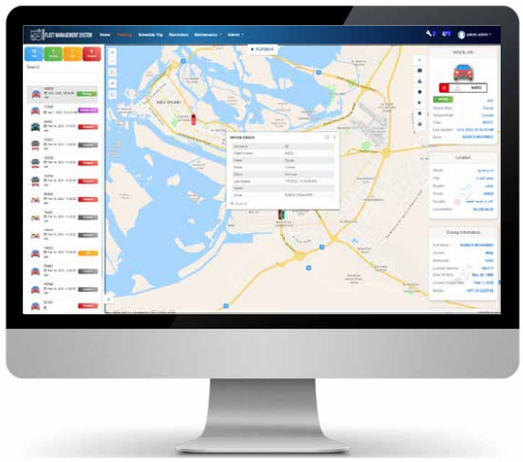
High-Speed Weigh-in-Motion

Following the efforts to prevent premature deterioration of the road infrastructure and pavement, we have developed a smart system that is used to measure the weight and height of moving vehicles in the roadway. The system helps in improving productivity and preventing overloaded vehicles from causing damage to roads.

- High precision Weigh-in-motion
- Single lane & multi-lane, free flow
- Customizable vehicle classification
- Camera system for ANPR data capturing
- Validity of measurement

Tracking and Telematics Device

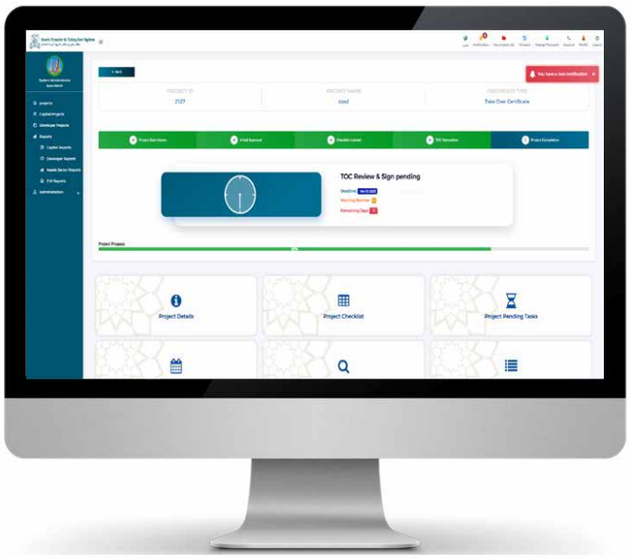
At Tatweer, we focus on incorporating innovation into all our products, and as a result, we have developed a top-quality comprehensive fleet management solution, by designing and building an automotive tracking device to transmit the vehicle GPS data, car information with high efficiency to our intelligent fleet management system that provides real-time location tracking and valuable insights into fleet operations, enabling companies to operate more effectively and ultimately achieve better business results. The tracking device is customizable and can be integrated with various external systems and sensors to deliver accuracy, and reliability, ensuring that it meets the high standards of the automotive industry. It provides wide range of features:

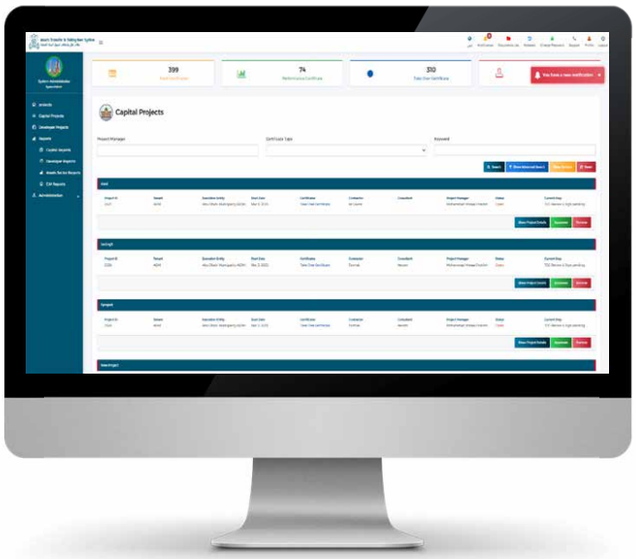


- High GPS/GNSS accuracy, less than 2.5m in open sky
- Supports Wi-Fi
- USB/Serial port
- Dual-core processor
- Combo LTE + GPS/GLONASS antenna
- Supports GNSS
- On-board 3-axis accelerometer
- On-board 3-axis magnetometer
- On-board 3-axis gyroscope

Infrastructure Assets Transfer Solution

Tatweer has officially launched the new Infrastructure Assets Transfer Solution for the Department of Municipalities and Transport (DMT). This System will enable the transfer of infrastructure assets across all Abu Dhabi Emirate municipalities, including Abu Dhabi, Al-Ain, and Al Dafra, with unparalleled efficiency and transparency. We believe this solution will improve the management of infrastructure assets and resources, leading to more effective and sustainable government services.

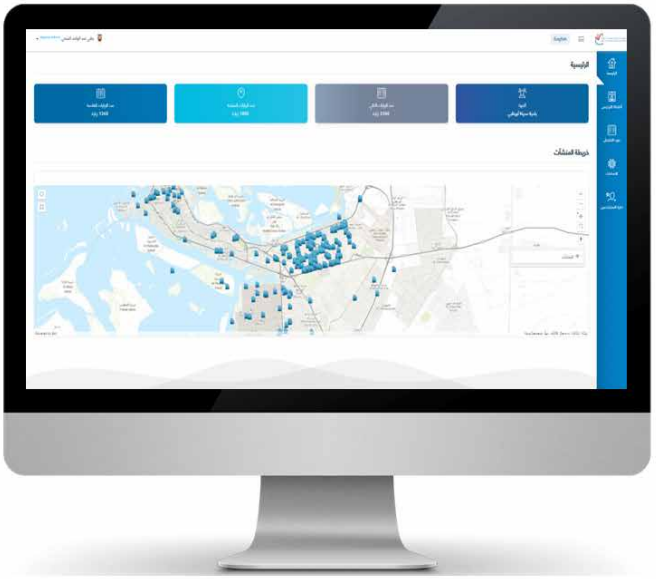


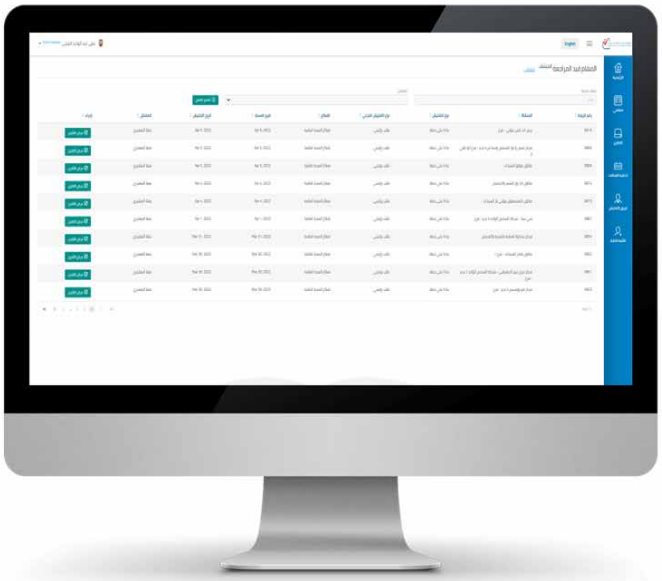


Projects **Extensions**

Unified Inspection System

Tatweer is proud to announce the extension of the unified inspection system in Mohammed Bin Zayed municipality centre following the successful implementation, made possible by Tatweer's cutting-edge technology solutions. This system will streamline the inspection process and enable government officials to more effectively oversee compliance with regulations, ensuring a safer and more sustainable environment.





New Awarded **Projects**

Al-Ain Municipality

- Maintenance and completion of the addressing system and signs for Al Ain Region
- Design and upgrading of existing intersections in Al Ain City - Industrial Area
- Design and construction of pedestrian crossings in Al Ain City

Abu Dhabi City Municipality

- Design and construction supervision of the new addressing system in Abu Dhabi City
- Design of landscape works in the remaining sand areas in Mohammed Bin Zayed City
- Design and construction supervision of service road in Sas Al Nakhel - Khalifa University
- Design and construction supervision of rehabilitation of parks in Al Falah and Shamkha Area - Stage 2
- Design and construction supervision of road safety enhancement for Abu Dhabi City

ALDAR

- Design of roads and infrastructure for new plots at Al Shawamkh area

Department of Municipalities and Transportation (DMT)

- Design validation for upgrading Tawam (IP251) roundabout at Al Ain City
- Design validation for upgrading Zakher (IP149) roundabout at Al Ain City

Contract **Renewal**

Tatweer has renewed its contract with the Ministry of Interior (MOI) for the LEAD DNA platform. This platform is a critical component of the UAE's security infrastructure and enables the MOI to more effectively prevent and combat crime. We are honored to continue our partnership with the MOI and remain committed to providing world-class technology solutions that contribute to the safety and security of our community.

New Strategic **Partnerships**

Tatweer Partners up with Nvidia to Leverage the Power of AI

We have recently signed an agreement with Nvidia, a leading provider of AI solutions and devices to become one of their authorized smart city solutions developers. Through this partnership, the team gains access to an exclusive AI platform called Metropolis, which will greatly speed up the development of future smart city applications.

Tatweer and Amstone Sign Cooperation Agreement to Expand Smart City Solutions in Egypt

We are thrilled to announce that Tatweer and Amstone have signed a cooperation agreement to collaborate in the Egyptian market. The agreement aims to focus on intelligent transportation, security systems, parking management, and digital transformation solutions, bringing cutting-edge smart city technologies to Egypt.

Tatweer and Tag Capital Sign MOU to Bring Innovation to African Smart Cities

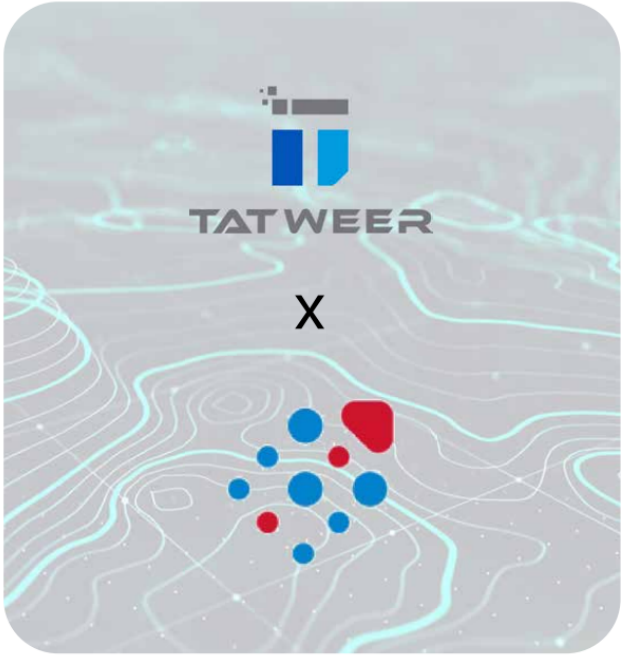
Tatweer and Tag Capital have signed a Memorandum of Understanding to collaborate in the African market. The MOU aims to explore new business opportunities related to smart city solutions in countries like Benin, Tanzania, Angola, Ghana, Namibia, and others. Through this partnership, we will be able to provide innovative solutions in different domains, including traffic management, transportation, security, energy-saving, and digital transformations.

Teaming Agreement between Tatweer and Gehl for Abu Dhabi Public Realm Strategy Project

Tatweer has partnered with Gehl Architects ApS, a Danish architecture and urban design firm, to implement the Abu Dhabi Public Realm Strategy project. In this collaboration, Tatweer will provide transportation planning, infrastructure design, engineering services, and implementation of smart city technology, while Gehl will be responsible for public space strategy, strategy implementation and prototyping services. We look forward to delivering high-quality services with the goal of building more sustainable cities.

Tatweer and Signify Collaborate on Energy-Efficient Smart Lighting Systems for Sustainable Cities

A new strategic collaboration with Signify to implement smart lighting systems in Riyadh city. The system uses a wireless communication network to connect with all street pole LEDs via smart nodes connected with grouped controllers/gateways that transfer data to a central management system (CMS). The CMS is programmed to turn lights on/off and dim them at specific times and conditions, which can help save energy and reduce costs. This customizable, energy-efficient, and convenient solution for sustainable smart cities is a major step towards building more environmentally friendly cities.

Tatweer Partners with Northsys to Offer Comprehensive Technical and Management Services in Oman

Tatweer has entered into a cooperation agreement with Northsys, a leading company specializing in the implementation and support of GIS solutions and ERP systems. Through this partnership, both companies will be able to broaden their scope of solutions in Oman and offer comprehensive technical and management services, such as infrastructure asset management, smart city solutions, and professional engineering services.