## Insights

Tatweer develops a new detection system technology that recognizes whether drivers are wearing Seatbelts or Distracted by using cell phones

With a focus on road safety, Tatweer has developed and successfully tested a new system for real-time detection of distracted (cell phones) and unbelted drivers. The system can detect violation of passengers on any vehicle type including cars, buses, or trucks with high precision. The system is not affected by the weather conditions and works seamlessly during nighttime. After detecting a violation, the system captures the vehicle plate number using the ALPR (Automatic License Plate Recognition) and will generates violation records such as images, timestamp, date, location, and vehicle plate number.

Launching a New Distortion Management Systems (DMS)

Tatweer has developed and implemented a new integrated mobile and web application to advance the existing Distortion Management System. DMS is a complete workflow automation system, designed to provide the tools for the proper operation and maintenance management of roadway network assets activities and to monitor its key performance indicators. The system allows a real time monitoring of roadway operation and maintenance contracts and its distortions rectifications activities.
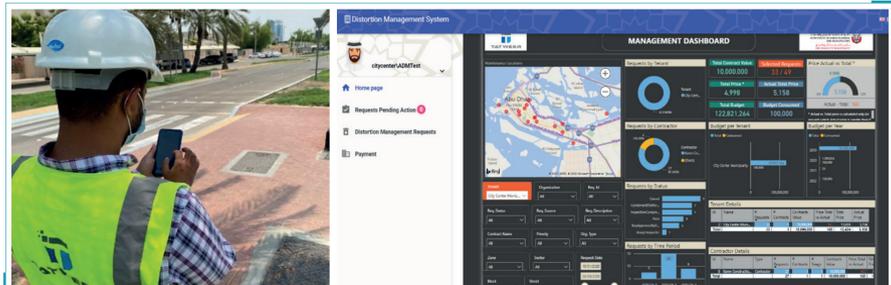

Achievements

Tatweer has been awarded the first public private partnership contract for the smart street lighting project in United Arab Emirates,

"NOOR Abu Dhabi" is the first public private partnership project in United Arab Emirates, which is expected to achieve energy-saving level of approximately 900 million kW over the contract period of 12 years, through replacement of approximately 43,000 of streetlights with energy-efficient smart wireless LEDs Luminaires. Tatweer to fulfill the objective of Department of Municipalities and Transport's (DMT) regarding retrofitting the existing lighting to the new standards and power saving technology and upgrading the city's incumbent street lighting inventory to a more sustainable LED-based technology. Tatweer will design, supply, retrofit smart wireless LEDs luminaires, finance, operate, and maintain the entire new system. In addition will also install and maintain a smart central control, monitor, operate, and maintain the entire street lighting scheme within Abu Dhabi city.

Tatweer is awarded its first Traffic and Road Safety project in the Republic of Rwanda

The project aims to improve a traffic safety and minimize the number of traffic crashes and fatalities on the country's major roads. Tatweer is providing advanced Traffic and Road Safety System including integrated software platform for monitoring and processing of Traffic violations data, Traffic counting & Traffic Density Module to visualize the traffic flow and volume of vehicles on the road), Accident reporting tools and GIS based dashboard.

The project scope also includes overall project management and maintenance services throughout the project duration.

VIP Visit to the Smart Driving Test Center

Tatweer was honored by a VIP visit from Abu Dhabi police to the Smart Driving Center in Mussafah. The visit was to explore and review the recently added features to the new automated Driving License Test developed by Tatweer. Our newly developed and implemented system is standardizing and automating the driving testing process by implementing state of the art technology offering an accurate assessment of the applicant's behavior and driving ability against a set of testing criteria and standards.

Project Completion Update

Infrastructure Design for 20 Mosques in Abu Dhabi

Tatweer has completed the road infrastructure design for 20 mosques in various locations in Abu Dhabi mainland. The executed scope of work included access roads, parking areas, street lighting networks, and potable as well as stormwater networks. Tatweer focuses on working attentively with a range of different partners to enhance Abu Dhabi's position as a global leading destination.

Ministry of Foreign Affairs Roundabouts Landscape Design

Tatweer successfully completed the detailed landscape design for two roundabouts located at the entrance of the Ministry of Foreign Affairs in Abu Dhabi City. Our team designed a full Art Installation Featuring flags from around the globe, leverages both positive impacts and the enhanced collaboration between UAE and other countries.

The two roundabouts using seasonal flowers, ground covers and lighting it with LED light strips for better visual of aesthetic appearance at night.
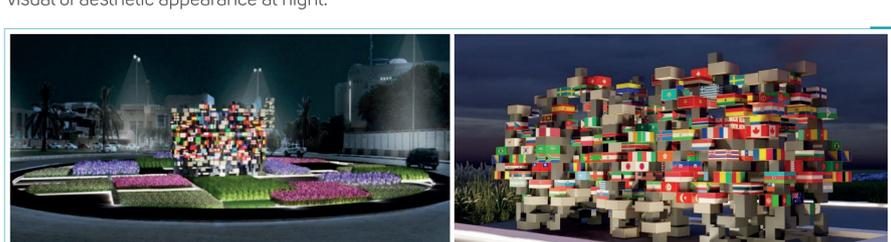
Achievements Board

Design Thinking

Design thinking is an innovative problem-solving process rooted in a set of skills. It's a human-centered design process that approaches problem-solving with understanding the user needs.

At a high level, the steps involved in the design thinking process are simple: first, fully understand the problem; second, explore a wide range of possible solutions; third, iterate extensively through prototyping and testing; and finally, implement through the customary deployment mechanisms.

Tatweer's family congrats our team member **Eng. Walid Ward** on completing his Mastering Design Thinking certification from MIT Sloan School of Management.
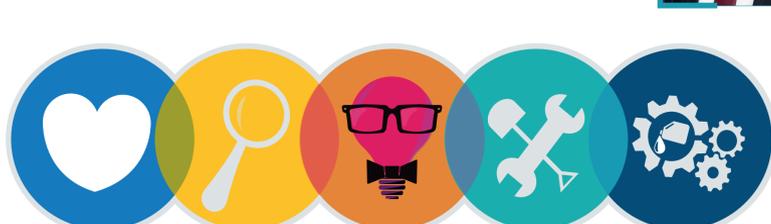
EMPATHIZE   DEFINE   IDEATE   PROTOTYPE   TEST

Safety Moments

Work-place Safety Tips

Staying safe at work is important and a safe working environment depends on how employees follow safety standards. Tatweer encourages its employees to identify unsafe work-place practices and report to their respective managers.

Following are some workplace safety tips which every employee must know about:
*   Be aware of the hazards and risks of your surrounding work area.
*   Reduce workplace stress by taking proactive steps to deal with it positively.
*   Take regular breaks to stay fresh and alert.
*   Use mechanical aids whenever possible and avoid shortcuts as this is one of the most common causes of injuries in the workplace.
*   Ensure to follow ergonomics requirements in your work-place
*   Wear protective equipment suited to your task.
*   Be aware of where emergency exits are located and how to use first aid kits.
*   Be aware of the emergency evacuation route and assembly area.

SAFETY FIRST   PROTECTION   REGULATIONS   HAZARDS   HEALTH   INSURANCE

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Keep us up to date! Drop us an e-mail to BGI@tatweermea.com if you have any news or events you wish to share internally or important company updates you recommend to share with the public on the website or social media !