Lens Letter Issue 07 Aug 2020



New Violator Detection System Release

Tatweer's ICT team has released a new version of the "Dangerous Violators Detection System" which is part of the Smart City Platform (SALAMA).

This system uses a sophisticated algorithm designed by Tatweer SME's, to assist in identifying potentially dangerous drivers, by analyzing driving behaviors and patterns recorded over time.

Each driver has a score, calculated automatically by the system according to his/her detected driving behaviors and recorded traffic violation history.

The system has a rewarding feature, whereas good driving habits and behaviors are taken into consideration to encourage drivers by enhancing their score according to their driving behaviors.

Eventually, the system exports comprehensive reports and encapsulates a set of actions that supports to further enhance the safety and security of all road users.



Smart Inspection Vehicle

Our ICT Innovation Center has launched a new generation of inspection vehicles using innovative technologies. The state-of-the-art Inspection vehicle enables the inspection of roadway assets faster, easier and with high accuracy rates. A vehicle equipped with advanced computer-vision, and 3D mapping equipment that enables the collection and inspection of various road assets' data.

This solution allows the complete automation of the process of collecting the assets data and drastically reduces the operational time, efforts and cost of the executed survey.

The system uses an advanced Artificial Intelligence (deep learning techniques) and computer-vision algorithms to accurately detect, then classify the assets, evaluate asset condition, and record each asset location to pin-point accuracy.

The system can be used to create 3D maps for the road assets that can be of great use to Municipalities, Transportation Authorities, Infrastructure agencies and Developers.



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Awarded Projects

We proudly announce, that Tatweer has recently been awarded the following projects:

- Design & Supervision Storm Water Pipeline from Alwathbah to Mussafah" Duration: 12 months. Client: The Ministry of Presidential Affairs
- Provision of Consultancy Services for Specialized Works with Specific Scope and Duration - Parks and Landscaping Duration: 36 months. Client: Abu Dhabi City Municipality
- Provision of Consultancy Services for the Supervision and Surveying of Landfill Works Duration: 24 months Client: Abu Dhabi City Municipality
- Traffic Impact Study (TIS) for the new "Cash Centre & Retail Building" in sector M25 for VX Studio

Project Completion Progress

Al Diwan Roundabout Design Upgrade

Tatweer has successfully completed the detailed design of upgrading Al Diwan roundabout in Al Ain city to a signalized intersection.

The executed design scope included upgrading of the road network, geometric design, landscape design, and full utilities' design (new/relocation). The design works also included the structural design of a new underpass which is 21m in width and 86m in length. A value engineering exercise have been performed which lead to a significant savings on the cost of the structural works.





Tatweer has successfully completed the landscape design for Al Mafraq interchange in Abu Dhabi city. The design adopted the context of the surroundings and ensured raising the aesthetic of the entire area, with full integration with the site features and assets. The work is currently being constructed under Tatweer's supervision.



Head Office Updates

Returning Back to Office



Returning back to office post Covid-19

We are glad to announce that TATWEER Offices have resumed 100% in office staff attendance operation.

Tatweer is implementing specific back to office guidelines to ensure the safety and wellness of all our employees during this COVID-19 Era.

Highlights of Our Back to Office

- Adapted a new workplace layout design and the installation of desk partitions. •
- Observing a safe distance through the daily functions by maintaining two meter distance in all common areas, including elevators, service desks, reception, etc.
- Employees returning from isolation and quarantine should obtain "Return to Work Permit" • as applicable from authorized entity before resuming work.
- Avoid physical contact by encouraging employees to utilize available tools to communicate remotely.
- Facemasks and hand gloves are made available to employees within office premises.
- Provide the necessary sterilization material through the office.

New Site Office

Tatweer has recently established a new site office in the same building of its Head Office. This will help enhance internal communication, head office support and the overall work environment.





Feeling the Strain?

Eyestrain is a common condition that can be experienced as a result of working on computers for long periods. The condition can intensify if working is without taking breaks to rest the eyes, exposure to bright lights or glare, straining to see when it's too dim, having an underlying eye condition, or being overly stressed or fatigued. The symptoms of eyestrain include tired, burning, itchy, watery or dry eyes; double vision; sensitivity to light; and difficulty in concentrating.

Tips to Help Prevent Eyestrain

Do not forget to blink: Blinking produces tears that will moisten and refresh your eyes.

Give your eyes a break: Regularly look away from your monitor by following the "20-20-20 rule": Every 20 minutes, look at an object about 20 feet away for a minimum of 20 seconds.

Be mindful of lighting and glare: Lights that are too bright or create too much glare can strain your eyes and make it difficult to see your monitor.

Ensure your monitor is adjusted properly: It should be directly in front of you, about an arm's length away, with the top of the screen at or just below eye level.

Make it easy on yourself: Are you struggling to read small fonts? Adjust your computer's type size so it's easier to read.

As a part of our marketing efforts, we are implementing a company-wide social media strategy, aimed at growing our online presence and increasing our marketing exposure. We encourage all Tatweer's family members to follow and interact with our social media platforms. Tatweer employees will gain several benefits from being an active member on our social media platforms, considering being updated and well informed on a regular basis, Tatweer's ongoing projects/news as well as increasing our social media presents by reaching large audience.





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