

# المسار almasar

The Official Monthly Magazine of Dubai's RTA

Special Issue

Issue No. 89 November 2015

**Mohammed Bin Rashid  
approves a bundle of roads  
and transportation projects**

**10 RTA**  
**Years of great achievements**





A JOURNEY OF CHALLENGES & ACHIEVEMENTS

TEN YEARS  
OF RTA





**H.E. Mattar Al Tayer**  
*Director General and Chairman  
of the Board of Executive Directors*



## Leading

An exceptional atmosphere is filling Dubai's Roads and Transportation Authority while celebrating its 10th Anniversary with a journey filled with achievements, innovation, excellence and success.

RTA was always supported by His Highness Sheikh Mohammed bin Rashed Al Maktoum, UAE Vice President, Prime Minister, and Ruler of Dubai, along with the support of H.H. Sheikh Hamdan bin Mohammed bin Rashed Al Maktoum, Crown Prince of Dubai, Chairman of the Executive Council, and H.H. Sheikh Maktoum bin Mohammed bin Rashed Al Maktoum, Deputy Ruler of Dubai, Vice Chairman of the Executive Council. In RTA's early days of establishment, His Highness Sheikh Mohammed bin Rashed has adopted a strategic plan put specifically for roads network and public transportation system development, with an estimated cost of AED 75 Billion. In addition to that, H.H. Sheikh Mohammed bin Rashed, along with H.H. Sheikh Hamad bin Mohammed bin Rashed, and H.H. Sheikh Maktoum bin Mohammed bin Rashed, have visited the authority multiple times as they made sure to attend openings of the strategic projects, such as Dubai Metro, Dubai Tram, Marine Transportation Facilities, and the different road development projects.

RTA is considered to be one of Sheikh Mohammed bin Rashed's creative thoughts, expressing his foresight, along with his ability to read the future and envision it. His Highness's vision while establishing RTA was to make it one of the main driving forces for moving Dubai's economic and general development through providing an exceptional infrastructure for roads and transportation by maintaining a single entity to combine all specialties and responsibilities needed in developing, planning, designing, executing, and managing roads and transportation systems in the city. Furthermore, the entity should be able to handle all challenges, including the most important ones: traffic congestion, traffic safety, and encouraging the use of public transport.

In RTA, we are very proud of what we have achieved during these 10 years; accomplishments that are beyond what can be done in decades. Starting with putting RTA in the correct direction, along with passing quickly through the establishment process to move to the level of achievement and success. Furthermore, since establishment, the authority started with strategies and clear planning process that lead to the execution of large projects efficiently, fetching RTA awards locally, regionally and internationally.

In conclusion, we would like to renew our promise to His Highness Sheikh Mohammed bin Rashed Al Maktoum, UAE's Vice President, Prime Minister, and Ruler of Dubai, that we will remain on the path of translating his vision for what will achieve people's happiness. Furthermore, we will maintain the one-team spirit to keep Dubai always in the lead through coping with local and global changes, updating our strategies, focusing on promoting integration of the public transportation systems to attract more people and achieve the targeted percentage of the public transportation trips to 20% in 2020 and 30% in 2030, and executing number of big projects to develop road and transportation network such as Route 2020 project to extend the red line of Dubai's Metro up until Expo 2020 location, along with executing a large bundle of the different roads and transportation systems projects.

*On Track*

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**Al Masar warns against possible increase in accidents during rainfall**





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## Next Issue

RTA ignite its 11th candle with more determination & persistence



## Adopted designs for Route 2020 Stations **H. H. Sheikh Mohammed Bin Rashed Approves the Airport, Al Wasel, and Jumeirah Roads**

*His Highness Sheikh Mohammed bin Rashed Al Maktoum, UAE's Vice President, Prime Minister, and Ruler of Dubai, has adopted a bundle of projects related to road development and public transportation systems, which are introduced by the RTA to meet the requirements of Dubai's Strategic Plan 2021. His Highness also adopted projects for developing the Airport, Al Wasel, Al Jumaira, and Global Village Road. In addition, His Highness was briefed on the Yalayas Road project that was developed by the authority lately, along with the Basin Intersect that is currently in the execution process. And finally, he adopted the stations designs for Route 2020 project, which includes extending Dubai's Metro redline from Nakheel Harbor and Tower Station to the location where Dubai Expo 2020 will be held.*



## Expo 2020

The approvals were part of His Highness visit to the RTA's building, where he engaged into a detailed explanation about the projects as instructed by his highness, and executed by H.E. Matar Al Tayer, General Director and Chairman of the Board of Directors of the RTA. One of the main projects is developing Airport Road to accommodate the expected increase in the number of passengers, which is expected to be around 95 million passenger in 2020. The amendments in the planned development include Al Rashidiya Intersect, in addition to Airport road intersects, along with Al Dar Al Baida, Marakesh, and Nad Al Hamar roads. The planned changes aim to raise road safety level, along with decreasing the road trip time, which starts from Sheikh Mohammed Bin Zayed Road until Al Dar Al Baida Road, from 30 minutes to 5 minutes, and decreasing the waiting time on Al Rashidya Intersection from 15 minutes to 1 minute.



His Highness Sheikh Mohammed Bin Rashed Al Maktoum, UAE's vice president, Prime Minister, and Ruler of Dubai, has expressed his relief regarding the project he approved to be executed, along with the projects which are under execution and completion. He assured that the development movement in Dubai will continue until Dubai reaches urban perfection, and with the accomplishment of all planned goals marked by the Dubai's Strategy 2021. All these goals aim to keep pace with the country's journey towards development, and providing restful and luxurious life to the Emirati people, and to all people living on the generous land of UAE.

His Highness also gave his blessings to the efforts of the General Director, and Chairman of the Board, along with all employees in the RTA, while he encouraged them towards more innovation and creativity and achieving excellence in their work and planned projects, which will be executed in Dubais that everyone looks at it as a model of movement, development, stability, and safety.

"With God's blessing we move forward, and may God help you in serving your country and our honorable people" His Highness Concluded.





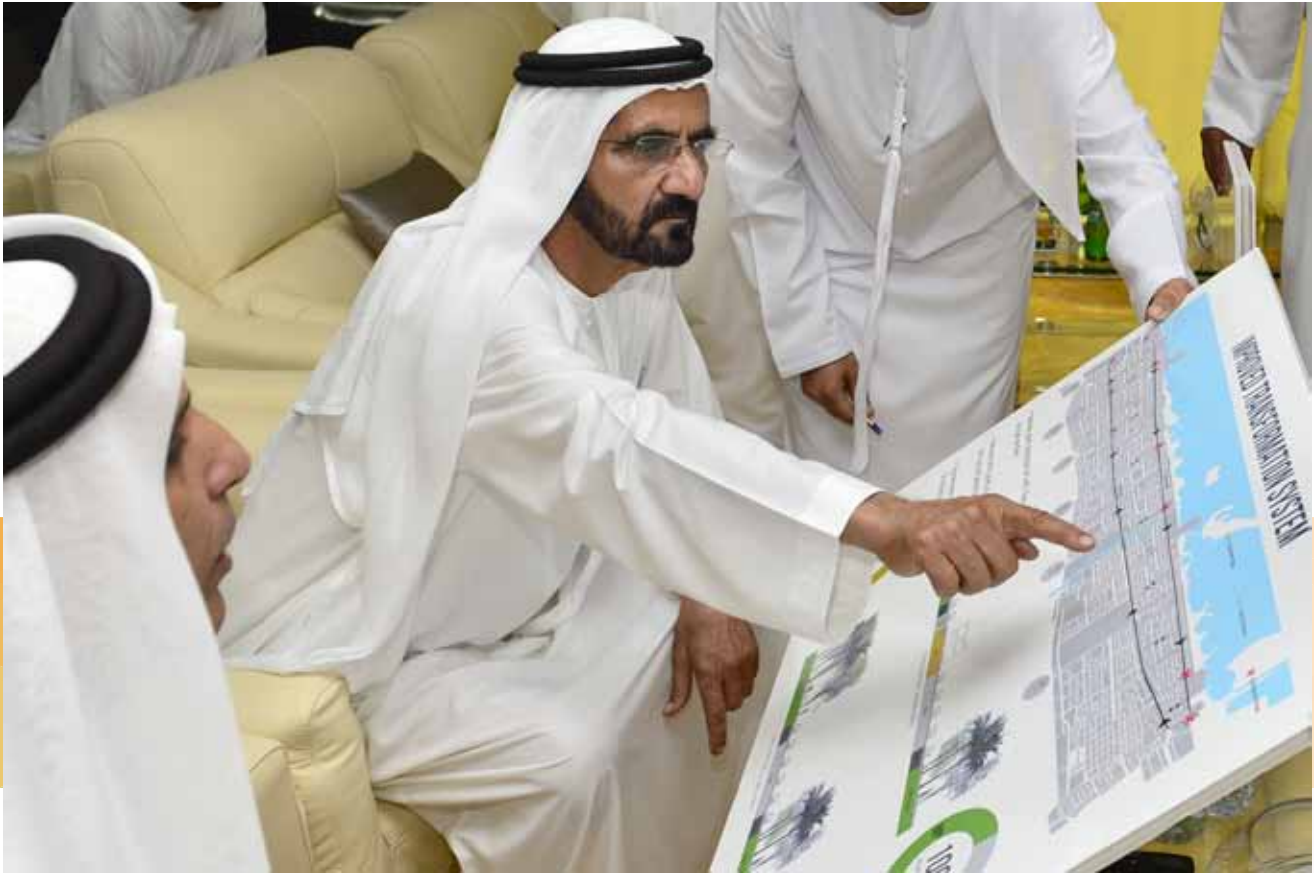
**"Dubai's  
development  
movement will  
continue until we  
reach perfection" H.H.  
Sheikh Mohammed  
Bin Rashed**

His Highness also oversaw the expansion and development project of Yalaya road project that was done lately by RTA. The expansion was of 9 kms in length, and 4 lanes in each direction. Furthermore, he oversaw the work progress regarding the basin available between Skheikh Mohammed bin Zayed and Yalaya roads. This

project is currently being executed by RTA, and expected to be done by the end of 2016, and it includes developing the existing round about, by turning it from traffic light operated roundabout to a free intersection that took the Union train path.

H.E Matar Al Tayar, clarified within his detailed explanation that the projects





surrounding Expo 2020 includes road development projects in the Gardens area, along with University City Street, and Al Fay Road, in addition to the outside roads network execution, and entry/exit doors to and from Expo 2020 location. All these projects are expected to be done during the years 2018, 2019, and 2020.

### Al Wasel and Jumeirah Roads

His Highness also adopted the development project for both Al Wasel and Jumeirah roads, which includes transferring the traffic movement on these roads to a single direction clockwise, with 4 lanes. This way, the direction of Al

Wasel road goes along Burj Al Arab, and on Al Jumeirah road will be in the direction of the 2nd December Road. The project also includes amendments on the intersection between Um Al Sheif and Sheikha Latifa streets on Sheikh Zayed Road, along with the addition of around 17 vertical axis to ease







The bridge contains 2 lanes in each direction with a length of 1400 meters, in addition to allocating some paths for personal transport, with additional slopes on Jumaيرا Lakes intersection, and a service road

on Sheikh Zayed Road that leads to the island of 1500 meters length. Furthermore, the project provides free movement for vehicles coming from Dubai's side to Blue Waters Island through Sheikh Zayed Road,

and vehicles coming from Abu Dhabi and Al Khail Street through Qarn Al Sabkha to the Island. In addition to that, the free movement includes vehicles coming from the island to Dubai and Abu Dhabi through Sheikh





Zayed Road, Al Khail Street, and through Quran' Al Sabkha Street. Sheikh Mohammed also oversaw the work progress in the drilling project to open a navigation channel under

the bridge leading to Deira islands, which includes building ramps that connect the western bridge with Al Khaleej street between Al Hamriya port roundabout (Abu Heil Street)

and Dubai Hospital roundabout (Abu Baker Al Siddiq Street), along with providing a temporary connection to the existing network of roads, removing dirt dams that stand in the





way of this navigation channel, and keeping the dirt dam existing near Al Mamzar lake as a gateway to Al Mamzar. His Highness also adopted development project targeting roads and intersections around Global Village and Chinese Market that will start in 2016.

### Stations' Designs

Sheikh Mohammed approved the design of Dubai's metro stations of the Route 2020 project, which includes 4 different patterns: Iconic Station inside Expo exhibition location that is designed in the form of wings, reflecting Dubai's journey

towards innovation. There is also the Exchange Station that connects Dubai's metro Red line located at Nakheel and Harbor Tower, along with the upper and ground stations that were designed to accommodate a much greater capacity compared to the existing Red line station.

Route 2020 project includes extending Dubai's Metro red line from Nakheel Harbor and Tower Station to the location of Expo 2020 exhibition, with a length of 15 Km. This will include 7 stations, noting that the plans took achieving sustainability into consideration. This aims for connecting Expo exhibition

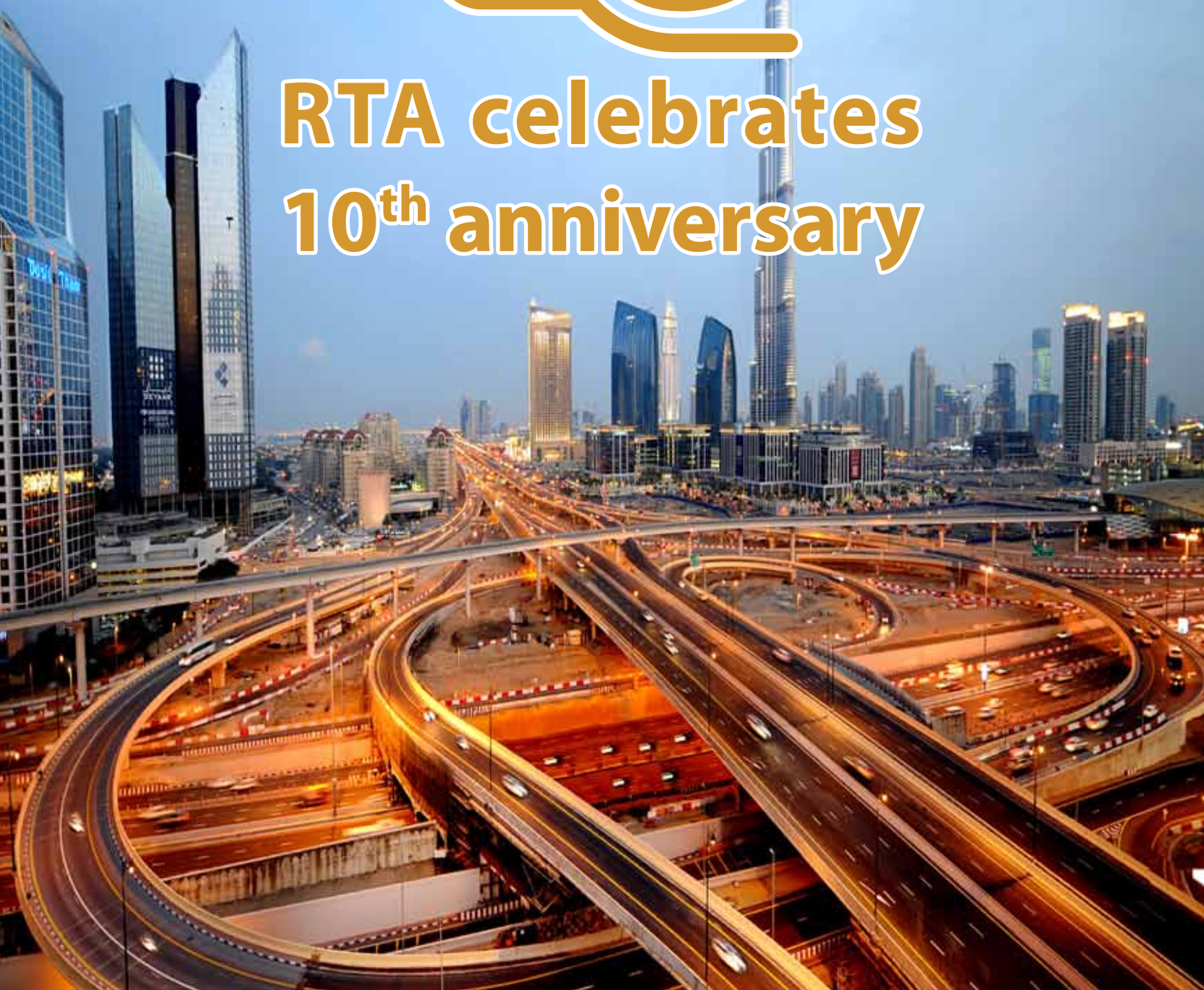
location to number of vital projects and locations in Dubai. Route 2020 starts at Nakheel Harbor and Tower station for a distance of 15 KM, 11 of them are above ground level, and 4 KM under ground level. It consists of 7 stations, 5 elevated stations, and 2 underground stations. His Highness noted that this project serves many high to medium populated areas such as the Gardens, Discovery Gardens, Al Furjan, Jumaيرا Gulf Estate, and Dubai Investment Compound, that has an anticipated capacity of 240,000 person. The trip time from Dubai Marina to Expo exhibition location will take around 16 minutes.





# 10

**RTA celebrates  
10<sup>th</sup> anniversary**





***The Roads and Transport Authority (RTA) is celebrating on November 1st 2015, its 10th anniversary with huge achievements despite multiple challenges encountered from the early days of establishing the RTA. It had to tackle right from the beginning the transfer of tasks, assets and technological systems from the Dubai Municipality, General HQ of Dubai Police, and Dubai Transportation Corporation in a record time. It had also to address the sourcing of competent administrative & technical cadres, ease the traffic congestion, improve the traffic safety level, and increase the ridership of public transport means. Overall, it has managed to achieve more than 90% of its strategic plan covering matters related to upgrading the infrastructure of roads, public transit means, pedestrian facilities and traffic safety. The flagship projects of the decade are the Dubai Metro and Dubai Tram, followed by the sprawling network of roads, underpasses, flyovers as well as public transit systems and a variety of marine transit modes.***



HE Mattar Al Tayar, Director General and Chairman of the Board of Executive Directors of the RTA, offered thanks and appreciation to His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice-President, Prime Minister of the UAE and Ruler of Dubai, HH Sheikh Hamdan bin Mohammed Al Maktoum, Dubai Crown Prince and Chairman of the Executive Council, and HH Sheikh Maktoum bin Mohammed Al Maktoum, Deputy Ruler of Dubai and Deputy Chairman of the Executive Council, for the huge & continuous support they lend to the RTA.

"The bright vision and the continuous support accorded to the RTA by the leadership of the Emirate is the underlying factor of the achievements made over the past ten years. During the first months of establishing the RTA, HH Sheikh Mohammed bin Rashid Al Maktoum endorsed the strategic plan of the RTA covering roads and public transport network in the tune of AED 75 billion. HH directed all other government departments and entities to extend every support to the RTA during the establishment period. Multiple visits to the RTA were made by HH Sheikh Mohammed bin Rashid Al Maktoum as well as HH Sheikh Hamdan bin Mohammed Al Maktoum and HH Sheikh Maktoum bin Mohammed Al Maktoum, who were keen to launch such

strategic projects like the Dubai Metro, Dubai Tram, marine transit modes and a variety of road projects.

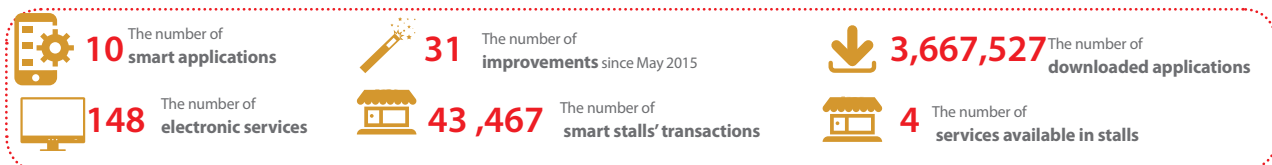
"From inception, the RTA attended to improving its performance level, and keeping abreast of successive changes everywhere. It took early action to bolster its ability to introduce modern administrative concepts focused on serving customers better to make them happier, promoting resources, simplifying procedures, encouraging innovation & creativity, unleashing employees' abilities & skills, and achieving excellence in government administration," noted Al Tayar.

### Establishment challenges

The RTA embarked on sorting out solutions for challenges confronting the transportation system in Dubai; which focused on easing the traffic congestion involving a financial burden of about AED 5.9 billion worth of time wasted in traffic congestion, traffic accidents related fatalities of about 21.7 cases per 100 thousand of population compared to 5 cases in countries like the UK and 6 cases in Sweden. Challenges also included the limited use of mass transit systems which was not more than 6 per cent compared to 40 per cent in developed countries and even hits 70 per cent in certain countries.

Challenges also included serving the requirements of the rapid urban & economic expansion of the Dubai where traffic growth rate clocked 13 per cent per annum compared to 2 to 3 per cent in European cities. The annual growth of Dubai's population was in excess of 6 per cent during the period 2005 – 2008 whereas the corresponding rate in most European cities was not more than 2 per cent. Equally the increase in the number of registered vehicles in Dubai was as high as 17 per cent per annum at a time where the prevailing corresponding rate was not more than 4 per cent in European cities.

To confront these challenges, the RTA developed a flexible organizational chart separating legislation from construction. It developed a comprehensive plan for upgrading roads network and public transit systems, set a model for forecasting the future traffic movement in the Emirate, and adopted quick solutions in more than 120 locations. It has also undertaken concurrent projects and accomplished them in a record time such as the Floating Bridge, Al Garhoud Bridge, Dubai Metro, and the Business Bay Crossing. It has also developed a high-quality mass transit system comprising the metro, tram, buses and marine transit modes, besides adopting smart technologies to ease the mobility of people.





# Dubai Metro



The number of **trains** **79**

The number of **wagons** **5**



The number of **stations** **29**

The number of **station** **18**



The length of **railways**

**52** km

**23** km



passengers' number **656** million

The number of **passengers for each train** **643**



RTA's achievements are highlighted by the construction and operation of the Dubai Metro, the longest driverless metro in the world. The idea of constructing the Dubai Metro was based on the solid belief of HH Sheikh Mohammed bin Rashid Al Maktoum in the vitality of metro systems in providing a world-class infrastructure raising the profile of Dubai as the global hub for finance and business. HH envisions the metro as the backbone of a transport system linking vital areas in the Emirate and offering smooth and safe mobility for riders. Thus the Dubai Metro was constructed with the highest-quality levels and deluxe finishing as HH said: "I want Dubai Metro stations to be like Burj Al Arab Hotel so that it will become the first mobility choice of community members."



The construction of the Dubai Tram has added a new element to RTA's efforts towards cementing the infrastructure of the Dubai Emirate. It is one of the brainchild ideas of HH Sheikh Mohammed bin Rashid Al Maktoum to provide an advanced transit system to serve JBR, Marina, and Al Sufouh.

Such a project was vital in view of the changing profile of the area, high population density, high number of trips, and

limited right-of-way for roads. Thus it was essential to develop an integrated solution to carry out radical improvements of roads network, intersections, and a mass transit system linked with the Dubai Metro and the Monorail of the Palm Jumeirah.

On 11/11/2014, HH Sheikh Mohammed bin Rashid Al Maktoum, inaugurated the formal operation of the Dubai Tram in the presence of HH Sheikh Hamdan bin Mohammed Al Maktoum and HH Sheikh Maktoum bin Mohammed Al Maktoum. The tramway extends 11 km along Al Sufouh Road starting from the Marina up to the Tram Depot near the Dubai Police Academy. It comprises 11 stations

focused on high population density and business activity areas. The fleet comprises 11 trams each has a capacity to accommodate 292 riders.

The Dubai Tram is considered the first tram system outside Europe powered by ground (catenary free) electric cables throughout the entire line, the world's first tram network to use platform screen doors fully aligned with the tram's doors opening and closing mechanism, the world's first tram project with fully air conditioned stations, and the first tram that has gold class and coaches dedicated to women and children. It boasts of high-class standards of interior finishing in coaches, and deluxe stations. The tram



The Dubai Metro project was privileged by a close attention and follow-up of HH who laid the foundation of the project on 21/3/2006, and on 10/01/2007 HH launched the burrowing of the mega tunnel from the Union Station to Burjuman Station. In September 2008 HH launched the trial run of the metro on the Red Line spanning 52 km comprising 29 stations (4 underground, 24 elevated and one at-grade station). On 9/9/2009 HH launched the formal start of operations of the Dubai Metro, considered the 21st century project and a landmark of Dubai and the UAE. After two years of the start of the metro operation, i.e. on 9 September 2011, HH opened the Green Line of the Dubai Metro stretching 23 km and comprising 18 stations (6 underground and 12 elevated). The two lines intersect

at the Union and Burjuman Stations.

The Dubai Metro has 79 trains; each train consists of 5 coaches with a capacity of 643 riders (four riders per square meter). The Dubai Metro applies the latest rail technologies including an air-conditioning system inside stations and trains compatible with climatic conditions of the urban Dubai. Trains are operated by an integrated electronic system enabling the control of accurate trip timing, reducing the time intervals between services, if needed, in a way enabling the operation of the service at a capacity accommodating up to 26 thousand riders per hour per direction.

The metro stations feature a creative top-class design and are fitted with the latest technologies of safety & security. Parking areas have been provided for private ve-

hicles and buses at each station.

The Dubai Metro has thus added a further aesthetic feature to the landmarks and achievements of Dubai particularly as it uses cutting-edge technologies of the rail industry. The Dubai Metro has achieved huge success reflected by indicators of operational efficiency, accuracy of service timing, and the highest safety standards at world class levels. From the start of operations in September 2009 till September 2015, the Dubai Metro has lifted more than 656 million riders.

## Dubai Metro headlines achievements over a decade

is fitted with the latest technologies of transmitting and displaying information and entertainment materials. Some tram stations are fitted with air-conditioned bridges as well as escalators, and lifts. The project design has been tailored to serve the needs of the disabled and seniors.

## Dubai Tram



The length of **railways** **11** km



The number of **trains** **11**



The number of **wagons** **7**



Total **passengers'** number **2,790,388** until Sep. 2015

The number of **passengers for each train** **292**

# Roads Network

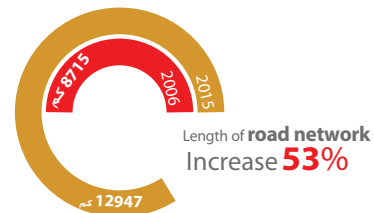
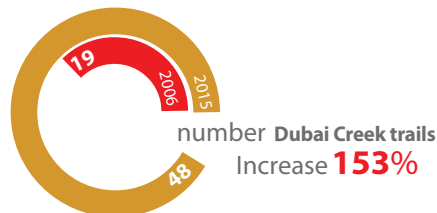


**Lanes crossing Dubai Creek soar from 19 to 48**

It goes without saying that the planning, designing, and construction of major roads and transport projects take long time before they can finally pay dividends after operation. However, during this short period, the RTA managed to achieve several mega achievements as the number of lanes crossing the Dubai Creek which soared from 19 lanes in 2006 to 48 lanes in 2015 reflecting a 153% rise. Several vital projects have been constructed including the 13-lane Business Bay Crossing with a capacity of about 26,000 vehicles per hour. It replaced the old Al Garhoud Bridge with a new one comprising 14 lanes, with a capacity of 32,000 vehicles per hour. The six-lane Floating Bridge has also been constructed using military technology, in addition to widening Al Maktoum Bridge from 9 to 11 lanes. The length of roads network has extended from 8,715 lane-kilometers in 2006 to 13,335 lane-kilometers by the end of September 2015, recording an increase of 53%. The Sheikh Mohammed Bin Zayed Road

has been widened from entrance of Sharjah up to the Arabian Ranches Interchange from 6 to 12 lanes, with a capacity of more than 24,000 vehicles per hour. The Emirates Road has been improved as a new hub, consisting of 12 lanes, and 15 interchanges including 3 flyovers and 12 underpasses for turns. The Emirates Road, which had only 4 lanes in the past, now spans 72 kilometers, extending from the entrance of Sharjah up to the entrance of Abu Dhabi.

The RTA also completed Al Khail Road Improvement and Widening Project, which extends about 15 km, starting from the intersection with Al Meydan Road to the intersection with Sheikh Mohammed bin Zayed Road, comprising 6 lanes in each direction. The then existing 4 roundabouts have been converted to multi-level free movement interchanges. Work is underway to complete the construction of new parallel roads to the Sheikh Zayed Road project, with total length of about 31 kilometers. The project includes the construction of 23 bridges extending 8 km at interchanges to ensure the smooth traffic flow in the area.



# Dubai Water Canal

His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, in the presence of His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince

of Dubai and Chairman of the Executive Council, and His Highness Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai, inaugurated on 2 October 2013, the construction on the Dubai Water Canal project; which will

link the Business Bay District with the Arabian Gulf. The water canal, which crosses the heart of Dubai, adds multiple tourist attractions and a gorgeous outlook to Dubai city. Construction works started by building bridges crossing the canal on the Sheikh Zayed Road, Jumeirah Road and Al

# Vital interchanges



The first interchange on Sheikh Zayed Road is one of the vital and sophisticated interchanges carried out by the RTA, where bridges span more than 3 km, while the total lengths of tunnels is about 850 meters. The importance of the project lies in its vital location on Sheikh Zayed Road, in close vicinity of Burj Khalifa, and Dubai International Financial Centre. The project, which connects these areas with the main streets including Sheikh Zayed Road and Dubai International Financial Centre, also provides free traffic movement in all directions. The RTA has replaced the old Arabian Ranches roundabout on Sheikh Mohammed bin Zayed Road with a fly-over consisting of 13 bridges and one

underpass. In addition, it broadened Umm Suqeim Road to include 4 lanes in each direction, and Al Qudra Road to two lanes in each direction. The RTA has also completed several interchanges such as Tecom, Al Sufouh, Emirates Hills, and the Palm Jumeirah entrances in addition to the interchange 5.5 on Sheikh Zayed Road, the intersection of Beirut Road with Al Nahda Road, and elevated bridges of the Financial Center Road, the first double-decker road in the region. Moreover, most phases of Al Ittihad Road broadening project have been completed. These road network improvements and expansions have increased speed rates on the main mobility hubs.



Wasl Road. The canal will also feature 5 marine transport stations.

The project will feature a cast of deluxe luxury houses, footpaths, and cycling tracks, as well as deluxe retail outlets, luxury hotels and gourmet restaurants.





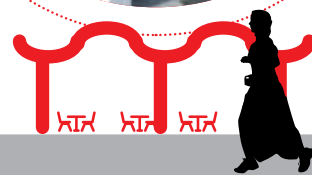
# Jumeirah Corniche

In implementation of the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, in bringing happiness to people, Jumeirah Corniche was opened. The Corniche extends 14 kilometers from the beach adjacent to 6 residential areas, behind Dubai Marine Beach Resort up to Burj Al Arab hotel.

The Corniche includes a walkway of

5 meters in width, a 4-meter wide running track, rest areas with commercial stalls, and shaded sitting areas overlooking the beach, as well as public & health facilities. The project features a distinctive beautiful touch thanks to the landscaping works, which will be further ameliorated and distributed in highly coordinated style, in addition to the decorative lighting with innovative stylish design.

Jumeirah Corniche's length **14** km



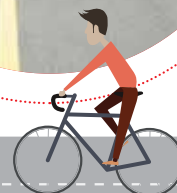
# Cycling Tracks

The RTA has built cycling lanes of more than 178-km long, of which 138 km track extends from Seih Assalam up to Nad Al Sheba.

The project comes in implementation of the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of

the UAE and Ruler of Dubai, calling for providing suitable options to encourage Dubai residents to practice cycling as a sport and a hobby. It is also part of RTA's master plan to provide cycling tracks, covering the emirate in its entirety.

Bike paths' length **178** km



# Smart Services

The RTA has taken the pains of providing premium customer services, and is keen to diversify the services offering outlets highlighted by smart apps where 173 RTA's main services have been shifted to smart services offered via 10 smart apps. This falls in line with

the directives of His Highness Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, by migrating to the smart government ahead of schedule. The RTA apps are unique, smart, innovative, creative and user-

friendly in a way that gives users satisfaction, as proven by the huge download rate of RTA apps which has clocked 3.667 million downloads.

The RTA further broadened its smart services in October 2015 by launching the Smart Mall App in five metro sta-

# Traffic Safety

The RTA has implemented a series of quick solutions to improve traffic in more than 120 spots, which resulted in improved traffic safety & mobility at such locations in varying degrees. The RTA has also taken several traffic safety measures at par with the world's best practices, which proved effective, and resulted in an unprecedented reduction in road accidents fatality rate in Dubai emirate over the past ten years. The roads safety promotion efforts made by the RTA in cooperation with the General Headquarters of Dubai Police contributed to reducing the traffic accidents fatality rate from 22 deaths per 100 thousand persons in 2006 to nearly 12.7 deaths per 100 thousand people in 2009. This downward trend continued in 2014 diving to about 3.5 deaths per 100 thousand persons, while pedestrian fatalities rate plummeted from 8.4 deaths per 100 thousand persons in 2006 to less than only one death case per 100 thousand persons in 2014. The RTA implemented a number of ini-

tiatives to improve the traffic safety by studying and implementing the recommendations of traffic safety strategy during the period from 2008 to 2015, which resulted in lowering fatality rate by about 70%. To further ensure pedestrian safety, the RTA implemented the Strategic Plan for Pedestrians Safety, which brought down pedestrians fatality rate by 40% during the period from 2009 to 2014. The RTA constructed 100 footbridges, while work is up and running to construct 17 footbridges during the period from 2015 to 2017. The RTA had also inspected the traffic safety elements in all new road projects all over the emirate, and had proactively inspected the traffic safety elements in existing roads with a special focus on roadside designs. This move contributed to diminishing fatality rate

by 39% during the period from 2006 to 2014, besides analyzing and tackling traffic accidents hotspots, as no less than 70 locations are studied annually, which resulted in reducing fatality by 30%.

The RTA culminated its efforts to scoop a number of coveted international and regional traffic safety awards, including the Prince Michael International Award for Traffic Safety in 2012, Gulf Traffic Award for Traffic Safety Achievements in 2009 and 2013, and the IRF award for traffic safety achievements.

**Traffic fatality dips from 21.7 to 3.5 cases**



The number of pedestrians bridges

Year	Number of bridges
2006	13
2015	117
In progress	17

tions. The App, which is the first of its kind worldwide, allows users to do shopping via an interactive innovative screen. It has also launched 100 smart air-conditioned bus shelters for public transport users, where the public can enjoy free internet connection, in addition to a variety of other services.



The number of applications **10**



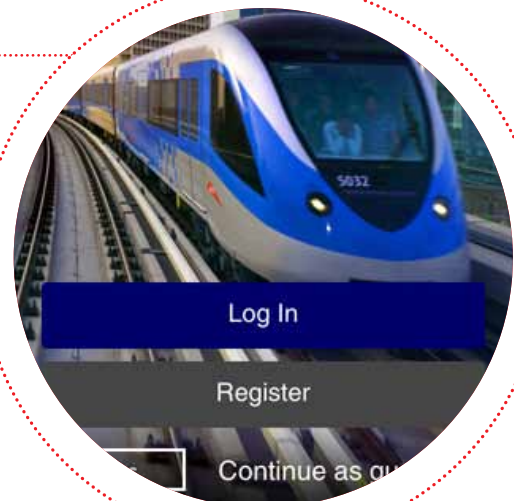
The number of smart services **173**



The number of smart umbrellas **100**



The number of downloaded applications **3,667,527**







# Public Transport



total number of  
air-conditioned bus

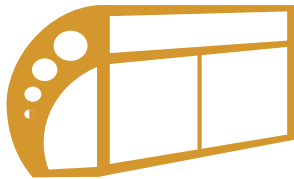
**170** buse



**346** buse



**996** buse



number of  
air-conditioned bus shelters

**1295** air-conditioned bus shelters

**400** under process

Thanks to its advanced mass transit systems, the RTA managed to increase the share of public transport means in the mobility of people from less than 6% in 2006 to about 14% in 2014, and is still seeking to reach the target of 30% in 2030. In order to improve and broaden public bus services, the RTA deployed standard, articulated and double-decker buses as well as eco-friendly buses fitted with state-of-the-art engines conforming to Euro IV & V standards. The RTA also opened more than 252 routes in the emirate, and improved the efficiency of

The marine transport sector is an integral part of mass transit systems in Dubai as it lifts about 13 million riders every year. Due to its importance of the marine transit modes, which constitute a key part of the public transport system in the emirate, the RTA had charted a comprehensive plan to upgrade marine transport systems. The plan includes establishing marine lines in Dubai Creek, and along the coastline of Jumeirah beaches to serve tourists in the emirate, not to mention the lines linking the city center to the man-made islands such as Palm Jumeirah, World Islands and the tourist resorts on the Arabian Gulf, as part of the plan to integrate marine transport with other means of transport.

On 4 March 2011, a regional unique achievement was made when His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, in the presence of His Highness Sheikh Hamdan Bin Mohammed Bin Rashid Al Maktoum, Crown Prince of Dubai, inaugurated "Dubai Ferry", the latest and largest RTA's marine transport mode which can accommodate 100 passengers. It is the third project in RTA's strategic plan intended to upgrade the marine transit system, besides the Water Bus and the Water Taxi. The plan also included modernizing the traditional Abras. In May 2010, the Water Taxi was inaugu-

rated, adding a fast means of transport, integrated with other mass transit systems in the emirate. The Water Taxi is characterized by its sleek design, smooth roof, and central air-conditioning system, in addition to its comfortable reclining seat similar the business class in airplanes, with remotely-controlled LCD TVs fitted in behind the seat. Each Water Taxi has a capacity of 11 passengers, in addition to the operator. The design of the Water Taxi has also taken into account the requirements of the disabled. Over the past ten years, the RTA has completed a number of key projects, including the retrofitting of 149 abras. The fleet has been beefed up to reach 175 abras, with

public buses by accessing new areas.

The public bus fleet in Dubai soared to 1512 buses, including 170 double-decker buses, 996 standard buses, and 346 articulated buses. The RTA has prepared comprehensive plans for conducting trips as per preset timetables, and attached utmost attention to drivers, periodic maintenance, inspection and surveillance, in addition to security and safety standards. New integrated bus depots had been built in Jebel Ali, Al Khawaneej, Al Rawiyyah and Al Awir. An automated system named Automated Vehicle Management System, was also developed to control buses movement. It had been designed in line with the world's best practices, covering a monitoring and follow-up area of 83 million square meters. This system has contributed to activating communication between the Control Center and bus drivers.

To ensure convenience for bus users,

and avoid scorching summers, the RTA has constructed 895 air-conditioned bus shelters for passengers in a bid to offer first-class services and ensure comfort for bus users. The RTA is yet poised to install additional 400 air-conditioned and non-air-conditioned bus shelters in different areas in Dubai, in keeping with the demand of public transport users, thus bringing the total number of air-conditioned bus shelters to 1295. Moreover, solar-powered bus shelters have been installed as innovative solutions in places lacking electric power.

The RTA had also announced the launch of the first green bus in Dubai with clean-environment technology, powered by biofuels produced from re-refining edible oil. This step fits well with the initiative of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, named, "Green Economy for Sus-

tainable Development, to build a Green Economy in the UAE."

In May 2015, the RTA tentatively started the operation of electric buses powered by a rechargeable battery, which can be charged up to 80% in less than 30 minutes. A fully charged battery enables the bus to cross 200 km at an estimated speed of about 100 kilometers per hour.



## Marine transport



abra stations & marinas renovated. The RTA has launched the Water Bus which measures 12 meters in length, 4 meters in width, weighs 7 tons, and can accommodate 36 passengers. In August 2015, the RTA launched 5 modern Abras emulating the design of traditional abras. They are eco-friendly and operate on octane fuel, which produces lower carbon emissions.



**100** passenger

The number of **ferry Dubai** **5**



**11** passenger

The number of **water taxi** **5**



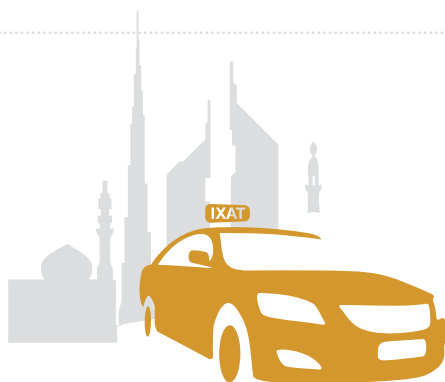
**20 - 6** passenger

The number of **Abrra** **175**



**36** passenger

The number of **water bus** **5**



# Taxis

As part of its strategic vision to prop up the level of service offerings, the RTA has introduced a host of plans and initiatives to uplift the level of services of taxicabs in Dubai, which amount today to 9927 vehicles (including the vehicles of Dubai Taxi Corporation and franchise companies). This sector offers quality and diverse services to meet the needs of all community segments.

Dubai Taxi Corporation, which has recently celebrated its 20 anniversary, was the first to establish a systematic taxi service in Dubai. It accounts for the lion's share of the market, and is the first entity in the Middle East to establish a Booking & Dispatch sys-

tem, an integrated vehicles tracking system via a wireless network. Dubai Taxi Corporation operates more than 4,600 vehicles driven by approximately 11,000 cabbies from 38 nationalities. Dubai Taxi Corporation is a flagship provider of exclusive services such as Airport Taxi, Ladies Taxi and VIP Taxi. It is also the first entity to offer services to the people with special needs in the UAE. It has made many achievements, rendering it one of the world's top three entities in taxi services offering.

Since inception, the RTA has been keen on operating environmentally-friendly public transport. In this regard, the Dubai Taxi Cor-

poration has started operating hybrid taxis powered by both eco-friendly fuel and electricity, as part of a comprehensive plan to curb pollution caused by vehicle emissions in Dubai. In 2008, the RTA started the tentative operation of 20 hybrid vehicles to assess their feasibility. The idea proved practicable and the first 20 hybrid vehicles were officially inaugurated in September 2013. The number of hybrid vehicles jumped to 145 in 2015.

In April of 2015, the RTA started the investment in school transport service through its investment arm Dubai Taxi Corporation. Starting from the academic year 2015



The RTA adopted innovative solutions to face the transportation challenges in Dubai. Thanks to the support of the wise leadership, the RTA has managed to create innovative customer services to bring happiness to the public. It has a standing innovation committee whose mission is to develop plans, design programs and launch initiatives to contribute to imple-



– 2016, 111 world-class and eco-friendly buses were deployed to transport private schools students.

The school transportation buses were equipped by state-of-the-art technologies such as Closed-Circuit Television (CCTV) and Geographical Positioning Systems (GPS) compatible with smart geo-addressing system (Makani) of Dubai Municipality, and the Tracking System through the Operations Control Center. All buses are fitted with technologies compatible with the environmental requirements thanks to their state-of-the-art engines conforming to Euro IV & V standards, using diesel fuel with only 50 ppm sulfur content. The buses have deluxe interior finishing, noise-free environment, ample space, and luxurious seats that ensure students' convenience, in addition to a hydraulic suspension system that ensures students easy boarding and alighting.



Total of **taxi vehicles**  
**9927** vehicles

Dubai taxi and taxi companies



The number of **taxi vehicles**  
for **Dubai taxi corporation**  
**11000** driver

**4600** taxi

### Smart taxi services



menting the leadership's vision of rendering Dubai the most innovative city in the world. The RTA also established a research, development and innovation section in 2014 and launched an annual scientific research award. It adopted the innovation strategy, which is currently being developed by an international consultant in keeping with the Government

drive. It had also launched the Innovation Lab Initiative to adopt the world's best practices in various RTA operations, which would contribute to the realization of RTA's vision of ensuring 'Safe and Smooth Transport for All.' The RTA has recently started the project of transforming 100 air-conditioned bus stations into smart stations that enable

## Creativity

passengers to enjoy a diverse array of RTA services. It has launched the Smart Mall initiative in 5 metro stations; and as part of its efforts to utilize the latest technologies in smart mobility, the RTA is currently considering the use of smart autonomous vehicles in Dubai to be used in Expo 2020.

# Licensing

The services on offer by the Licensing Agency witnessed a quantum leap, be it in terms of the number of registered vehicles, driving licenses or customers' service delivery. The number of vehicles registered in Dubai hiked from 740,000 vehicles in 2006, to 1,526,667 vehicles by the end of September 2015, while the total number of driving licenses issued topped 2.007 million licenses up to the end of last September.

To keep pace with the rising demand for licensing services, the RTA launched several initiatives to improve the quality of drivers' training & licensing services such as raising the traffic awareness of novice drivers, and integration with the federal traffic system,

besides developing & diversifying RTA's customer service offering outlets. The licensing services are now offered through new and innovative channels, namely smart applications, call center, RTA's website, and RTA trusted agents in addition to the RTA's traditional service centers and service providers. Currently 49 different services are offered via the smart app (drivers and vehicles), such as issuing certificates, renewing driving licenses, renewing vehicles ownership and selling plates online, in addition to the commercial licensing services, certificates validation services, among other services offered via RTA's website or call center. Customers are no longer required to attend in person to

receive the service; however there are more than 100 services that require the presence of customers at trusted agents such as insurance companies and eye-testing centers.

The RTA has thoroughly revamped the drivers training, bringing it at par with the highest international standards. The training syllabus is standardized in all driving institutes, bringing it at par with world's best practices in Sweden, Canada and Australia. The RTA has also prepared the 15 booklets for instructors, candidates and examiners in Arabic, English and Urdu languages. These booklets, the first of their kind in the Middle East, are now accessible to all driving license applicants.

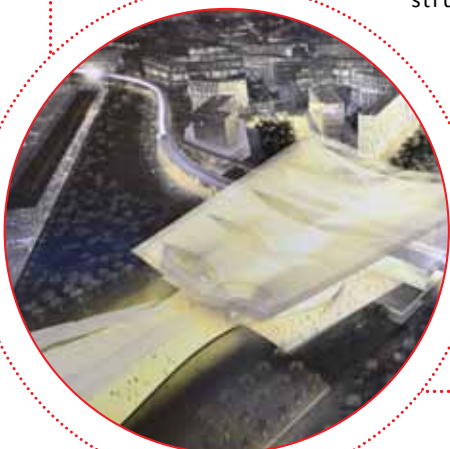
# Ongoing drive

The RTA is going ahead with its drive to meet the requirements of the Dubai Strategic Plan 2021, and prioritize the construction of infrastructure projects

as spelled out in these plans. The RTA is poised to launch a wide-ranging matrix of projects, including the Route 2020 Project of extending the Dubai Metro Red Line from Nakheel Harbour & Tower station to Expo 2020 site, in addition to the project of constructing a network of highways, as well as entry and exits leading to Expo site. The projects also include upgrading Airport Road, Al Wasl and Jumeirah Roads, and the International City Road, in addition to the parallel roads project at the Gardens, as well as the Academic City Road Improvement Project, Al Fay Street Improvement

Project, among many other mass transit projects.

The RTA also seeks to implement transport policies and legislations to encourage the use of mass transit systems in cooperation with the local and federal concerned bodies. It also intends to broaden the scope of traffic systems & modern transportation technologies, and raise awareness of users of road networks and transportation systems towards encouraging the use of mass transit means, promoting safety levels, reducing traffic accidents fatality rates and implementing a set of initiatives & procedures to encourage walking and cycling in short trips.





The number of **smart services** **49** service



The number of **driving licenses** **2,007,316** license



The number of **registered vehicles**

**740,000**

**2006**

**1,52,6667**

**2015**



The number of **employees** **5578** employee



The number of **employees** **690** employee



The number of **parking** **128000** parking



The number of **vehicles' tunnels** **68** tunnel



The number of **inspectors** **682** inspector



The number of **drivers** **2,996** driver

## he number of public transportation users



Total users of  
**Taxi**

**2007 | 107,790,218**  
**2014 | 188,840,000**  
**2015 | 140,054,711**



Total users of  
**Public transportaion**

**2007 | 102,000,000**  
**2014 | 135,519,872**  
**2015 | 95,664,344**



Total users of  
**Tram**

**2014 | 531,453**  
**2015 | 2,790,388**



Total users of  
**Metro (Green line)**

**2012 | 37,576,839**  
**2014 | 60,288,811**  
**2015 | 48,065,761**



Total users of  
**Metro (Red line)**

**2010 | 38,887,718**  
**2014 | 104,018,269**  
**2015 | 81,828,334**



Total users of **Water bus**

**2008 | 407,667**  
**2014 | 526,146**  
**2015 | 332,129**



Total users of **Ferry**

**2011 | 26,443**  
**2014 | 97,242**  
**2015 | 70,717**



Total users of **Water taxi**

**2010 | 4,533**  
**2014 | 23,796**  
**2015 | 20,249**



Total users of **Abbra**

**2007 | 27,220,421**  
**2014 | 12,613,216**  
**2015 | 10,250,997**

**Statistics until**  
**30 Sep. 2015**



**Drivers & vehicles**  
**129,393**



**Smart salik**  
**534,761**



**Smart roads**  
**1,354,251**



**Smart taxi**  
**186,204**



**Wojhati**  
**293,606**



**Public transportation**  
**112,549**



**Corporate services**  
**15,742**



**Smart parking**  
**171,623**



**RTA application**  
**863,156**



**Sharkni**  
**6,242**

**10**  
**173**  
**3.7m.**

