

المسار almasar

The Official Monthly Magazine of Dubai's RTA
Issue No. 114 December 2017



Mohammed bin Rashid: Road to Expo has become short

Vision Mission

Vision

Safe and Smooth Transport for All

Mission

Develop and Manage integrated and sustainable Roads and transportation systems at a world-class level, and provide pioneered services to all.

Stakeholders for their happiness, and support Dubai's vision through Shaping the future, preparing policies and legislations, adopting.

Technologies and innovations, and implementing world-class practices and Standards.



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

kickstart

October 24th, 2017 date will remain etched as a milestone in the construction of Route 2020 Project for extending the Red Line of Dubai Metro network from Nakheel Harbor & Tower Station to the site of Expo 2020.

On this day, HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE, and Ruler of Dubai gave the nod for starting the core drilling works of Route 2020 Tunnel Project extending 3.2 km from Discovery Gardens to Green Community at a depth ranging from 12.5 to 36 meters. The launch was attended by HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Dubai Crown Prince and Chairman of the Executive Council.

In line with RTA's keenness to adopt the latest tunnel drilling technologies, it used the Tunnel Boring Machine branded by the RTA as Wugeesha Expo 2020. Al Wugesha can crush stones and penetrate through sandy layers or any soil components encountered during the drilling process. It is user-friendly and has no negative impacts on land layers nearby the drilling area. Moreover, the tunnels produced have symmetrical dimensions, which makes it easy to complete other construction works and reduces the construction expenses of the tunnel wall.

During the tour, HH Sheikh Mohammed bin Rashid Al Maktoum, and HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum inspected the new interior design of the Dubai Metro carriages manufactured in France under a contract for the supply of 50 trains. Some additions and modifications were made to the interior design of the metro carriages such as dedicating the last carriage for women and children and leaving part of the first carriage for the Gold Class, and other carriages for the Silver Class. Seats will be transversal in the Gold Class, and longitudinal in the Silver Class as well as Ladies & Children Carriage.

The RTA is fully committed to pressing ahead with the delivery of this vital project on the approved timeline. The plan envisages the completion of all tunnel-related works in December 2018, and rail works in July 2019. The trial run of the metro is set to start in February 2020.

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Reciprocal Ads Initiative

Al Masar magazine Editorial Board offers the Reciprocal Ads initiative whereby a space for an advert is allocated to strategic partners and other government entities against allocating the same space in the magazine of the beneficial entity during the same month for the benefit of the RTA.





Mohammed bin Rashid launches drilling of Route 2020 Tunnel, inspects new design of metro coaches



HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, has launched the tunnel drilling works of the Route 2020 Project, which extends the Dubai Metro Red Line 15 km from Nakheel Harbour and Tower Station to the site of Expo 2020. His Highness also reviewed the interior design of the new Rolling Stocks of the Dubai Metro and the progress of the project.

Upon arrival at Discovery Gardens, His Highness was welcomed by HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the RTA, top executives of the RTA, Project Engineer (Parsons Systra) and the Project Contractor (Expolink Consortium).

At the start of the visit, His Highness attended a

briefing by Al Tayer on the progress of work on Route 2020, starting from the endorsement of the Project by HH Sheikh Mohammed bin Rashid Al Maktoum, and covering the awarding of the Project Contract to Expolink Consortium in June 2016, and the ground breaking ceremony in September 2016 by HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum,



Crown Prince of Dubai and Chairman of the Dubai Executive Council. First piling works at the Expo site started on 1 November, 2016. Work on casting the first pre-cast concrete slabs started in April this year while construction works for the metro viaduct started in August this year.

Al Tayer explained that the giant tunnel boring machine named Al Wugeisha Expo 2020 will cross the underground station near Jumeirah Golf Estates in January next year. In December 2018, all tunnel drilling works will be completed. The first of the new Dubai Metro Rolling Stocks will arrive in July 2018,

and construction works for the metro viaducts will be completed in November next year. All railway works of Route 2020 will be completed in July 2019, and the trial run of the metro will start in February 2020.

Interior Design

His Highness then inspected the new interior design of the Dubai Metro carriages, which are being manufactured in France under a contract for the supply of 50 trains; 15 for serving Expo 2020 and 35 for upgrading the service of the Dubai Metro. His Highness inspected the new additions and im-



improvements to the interior design of the metro cars such as dedicating the last car for women and children and leaving part of the first car for the Gold Class and other cars for Silver Class. Seats will be transversal in the Gold Class, and longitudinal in the Silver Class as well as the Women & Children car. The exterior design of trains will remain as it is, in order to maintain the design identity of the Dubai Metro and its familiar colours.

Some design changes that do not affect the main design identity will be made. Part of these are new designs for the handles, lighting, and locations of dig-

ital signage (VBSD). They also include an illuminated dynamic map for the metro route and stations, using an LED power-saving lighting system, and modifications to the design of the luggage compartment to that enables is to be used by standing commuters. Improvements also cover the shape and number of handles, the use of modern digital display systems, distribution of seats on the two sides of the train and enhancements to the gangway connecting carriages. The new carriages are customised for the use of people of determination and the smooth boarding and alighting of metro users.



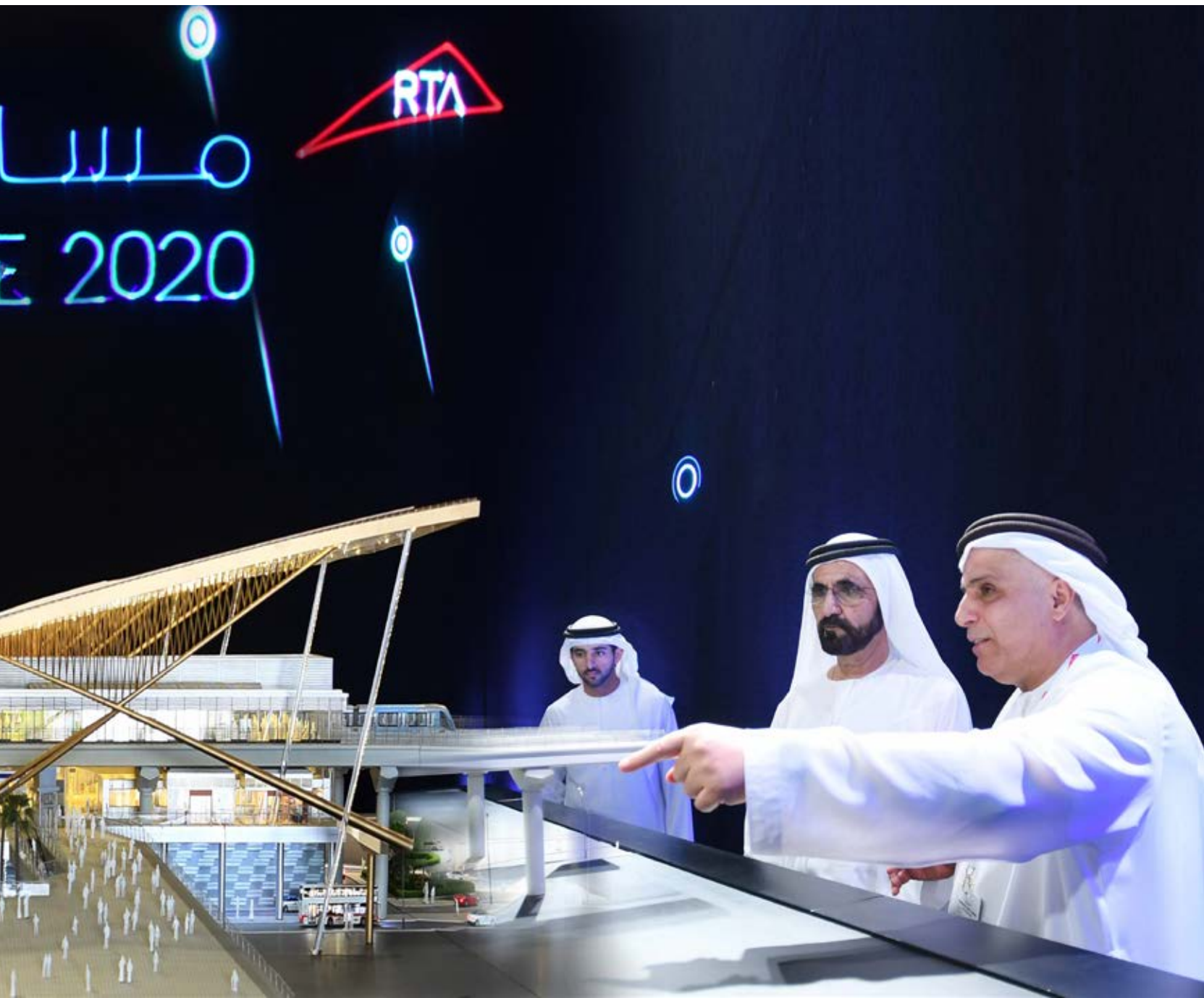


Al Wugeisha Expo 2020

His Highness launched the operation of the Tunnel Boring Machine named by the RTA as Al Wugeisha Expo 2020, marking the start of drilling works in the tunnel. The tunnel starts at the Discovery Gardens and stretches 3.2 km up to The Green Community. It features depths ranging from 12.5 to 36 metres.

Al Wugeisha can crush stones and penetrate through sandy layers or any soil components that might be encountered in the drilling process. It has a huge metal

gear supported by an automated tail, and carries in its front a cutting wheel with a cavity, the shape of which varies according to the type of drilling, soil layers and type. At the back of the cavity, there are hydraulic levers that support the propulsion of the drilling. It is also fitted with a machine for removing the soil, tubes for discharging the mud, and a control room in addition to other hi-tech components with high features to accelerate the drilling process. The total length of Al Wugeisha is 103 metres.



Al Wugeisha is also an environmental-friendly machine that has no negative impact on land layers surrounding the drilling area. Moreover, the tunnels produced by the machine will have symmetrical dimensions, which makes it easy to complete other construction works and reduce tunnel wall installation expenses.

This October, the contractor completed the

preparations for locating Al Wugeisha at Al Furjan at a depth of 12.5-metres. This involved creating a rectangular shaped concrete wall supported by horizontal steel supporters. The project is unique in terms of the method of preparation required for the drilling machine before the start of works and the latest drilling techniques it uses.



Hamdan bin Mohammed opens 4th DIPMF honors Hamdan Award winners

ملتقى دبي الدولي
لإدارة المشاريع
DUBAI INTERNATIONAL
PROJECT MANAGEMENT FORUM
4th EDITION
الدورة الرابعة
نوفمبر • 2017 • نوفمبر



DIPM attracts wide global participation

HH Hamdan bin Mohammed bin Rashid Al Maktoum, Dubai Crown Prince, congratulated the winners of the first edition of the Hamdan Award for Innovation in Projects Management with a prize money exceeding half a million Dollars. HH urged all entities associated with PM in the world, especially in the UAE, to make fresh efforts and come up with creative ideas enriching development projects. HH noted that such ideas have to address safety and environmental protection issues, keep pace with urbanisation and community needs for projects that bring happiness to people and ensure convenient and safe living.

HH made these statements during the official opening session of the Dubai International PM Forum, which was kicked off in Jumeirah with the participation of 1500 experts, engineers and directors from the UAE and 36 Arab and foreign countries. The RTA has held this event in collaboration with DEWA, Emaar Properties, DP World and PMI as well as a host of local government entities and sponsors from the private sector.

Honourees were engineer Amjad Al Shabatat from the Kingdom of Saudi Arabia who was the winner in the individual category of the Best Project Manager Award. The German engineer John

Danhue won the Best innovative PMO Award. The innovative team award winner was the "Hyperloop" team from the University of Cincinnati, while the Project Management Institutions Award "Innovative Idea" went to UNESCO. Emirates Telecommunications Corporation won Innovative Idea PM Award, and the UAE Borouge' was winner of Projects Portfolio Management Award.

Dubai Crown Prince receives Judges of Hamdan PM Award

HH Hamdan bin Mohammed bin Rashid Al Maktoum, Dubai Crown Prince, received in the Majlis of Madinat Jumeirah the judges' panel of the Hamdan bin Mohammed Award for Innova-





tion in Project Management as well as the Board of Trustees of the Award. HH thanked them for their neutrality in judging nominations of the Award. HH praised the dedication of the Board of Trustees and its devotion to serving and promoting our beloved nation worldwide. An important theme to discuss PM for Youth has been added following the signing of an MoU with the Emirates Youth Council. Induction sessions will highlight PM Principles, Projects Success Enablers and the importance of applying PM practices to various fields. The Emirates Youth Council will host another youth panel. It has been agreed with the UNDP to take part in a session dedicated to Development PM in keeping with the UAE's Year of Giving initiative to exchange information and expertise with specialist international organisations in this field.

Global Platform

HE Mattar Al Tayar, Director-General and Chairman of the

Board of Executive Directors of the RTA, said, "Holding the 4th Int'l PM Forum culminates the huge successes of the past three editions. It is reflected in the attendance of more than 6000 participants from 40 countries, 200 speakers featuring international experts and specialists, and 120 sessions dedicated to PM issues. Holding the Forum stems from the keenness of Dubai to play a key role in leading the development drive in the region and expediting growth rates on sound scientific bases at the highest standards and practices. For this purpose, a high-class line-up of experts and specialists of international repute have been attracted to utilise their expertise in running effective knowledge-transfer platforms. The Forum depicts the commitment of Dubai to be a communication link for sharing experiences, thoughts and visions between gurus of different global industries; which fits well with the profile of Dubai as an Arab city with a global orientation.







Prominent Speakers

The Forum host a broad spectrum of keynote speakers including ministers and executives of mega global firms and organisations. The line-up of speakers includes H.E. REEM AL HASHIMY, Minister of State for International Cooperation and Director General of EXPO 2020 Dubai; H.E. FALAH AL AHBABI, Chairman of the Department of Urban Planning and Municipalities in Abu Dhabi; and H.E. KHALAF AL HABTOOR, Chairman of Al Habtoor Group.

Speakers included HE MATTAR AL TAYER, Director-General and Chairman of the Board of Executive Directors of the RTA; H.E. SAEED AL-TAYER, Managing Director & CEO of Dubai Electricity & Water Authority (DEWA); H.E. MOHAMED ALABBAR, Chairman of Emaar Properties; and H.E. SULTAN AHMED BIN SULAYEM, Group Chairman and Chief Executive Officer of DP World and Chairman of Ports, Customs and Free Zone Corporation.

The Forum host HENRI POUPART-LAFARGE, President of Alstom; MARK LANGLEY, President and Chief Executive Officer of Project Management Institute (PMI); H.E. MOHAMMED AL HAMMADI, CEO of Emirates Nuclear Energy Corporation (ENEC); PROF. ABDULLAH AL SHAMSI, Vice Chancellor of British University in Dubai; and H.E. FRODE MAURING, Resident Coordinator of United Nations, UNDP.

Speakers also included DR. HAROLD KERZNER, Senior Executive Director for Project Management, International Institute for Learning (IIL); MAGNUS LINDKVIST, Futurologist and Author World's Renowned Trendspotter; DR. SEBASTIAN WERNICKE, Chief Data Scientist of ONE LOGIC; JAMES STEWART OBE, Chairman, Global Infrastructure KPMG; and E. LAVERNE JOHNSON, President and Chief Executive Officer of International Institute for Learning (IIL).



Hamdan Award

The Forum will witness the felicitation of the winners of the first edition of the Hamdan bin Mohammed Award for Innovation in Project Management (HBM AIPM) with a total purse of AED2,000,000 (two million dirhams) (USD 550,000). The Award aims to identify, reward, encourage, promote and enable innovation in PM by developing an innovative PM methodology, creating a database for the best practices and business models of PM, providing a platform for sharing innovative ideas and offering training on PM skills. The Award targets the international business community, including specialists and experts in PM, as well as individuals, teams and institutions involved in PM, programs or project portfolios.

Board of Trustees approves winners of Hamdan Bin Mohammed Award

The Board of Trustees of the Hamdan Bin Mohammed Award for Innovation in Project Management has held a meeting chaired by HE Mattar Al Tayer, Director General and Chairman of the Board of Directors of the Roads and Transport Authority (RTA) cum Chairman of the Board of Trustees of the Award. 18 candidates from the International Judges Committee were approved by the Board of Trustees to name the winners, who will be announced on the 20th of November 2017 in conjunction with the launch of the fourth Dubai International Project Management Forum 2017.

Ms Laila Faridoun, Secretary General of the Award, said, "As many as 82 entries were submitted by the Technical Advisory Committee of Hamdan Bin Mohammed Award for Innovation in Project Management to the International Judges Committee, comprising prominent specialists and project management experts. Following an assessment by the Technical Advisory Committee, 18 nominations were submitted to the Board of Trustees of the Award to approve them as winners. They include three candidates from each of the six categories of the Award, and the Board of Trustees of the Award has approved the winners from each category. The ultimate objective of the Award is to rank Dubai as a global centre for PM innovators and specialists, besides encouraging innovation in this field. The Award, which has total prize money of about AED 2 million (USD 550,000), seeks to add a new dimension to the innovative business sector in the Gulf region."



Award categories

“The Award contains three categories: The first is the Individual Category with a total prize money of USD 60,000. This award is divided into two parts: The Innovative Project Manager Award, which has prize money of USD 30,000. It focuses on the Benefits Realization Management; Cost, Time, & Job Scope Management; Procurement Management; Quality Management; Risk and Issue Management; Culture, Change and Stakeholder Needs Management.

“The second award is the Innovative PMO Manager Award and has a prize money of USD 30,000. It covers Cost, Time, & Job Scope Management; Project Integration Management; Risk and Issue Management; Project Portfolio Strategy & Governance Management; Performance of PMO Management; Communication Management; Resource management; and Development of Standards, Methodologies & Processes of PM,” added Faridoon.

The second category is the Innovative Project Team Award with prize money of USD 40,000. It covers four fields: Communication Management, Change, Culture and Stakeholder Needs Management, Risk and Issue Management; and Project Integration Management.

The third category of the Award is designated for Innovative Idea in organisations and has total prize money of USD 450,000. It is divided into three parts covering the Innovative Idea in Project Management Award with a prize of USD 100,000. Its covers Benefit Realization Management; Cost, Time, & Scope Management; Procurement Management; Project Integration Management; Quality Management; Risk and Issue Management; and Culture, Change and Stakeholder Needs Management.

The second is the Innovative Idea in Program Management Award, with a prize of USD 150,000. It covers Cost, Time, & Job Scope Management; Procurement Management; Risk and Issue Management, Project Governance Management; and the Strategic Alignment of Programs & Utility Management.

The third is the Innovative Idea in Projects Portfolio Management Award with a prize totalling USD 200,000. It covers Risk and Issues Management, Culture, Change and Stakeholder Needs Management; Projects Portfolio Strategy & Governance Management; and Projects Portfolio Performance Management.

UAE promises to deliver unprecedented edition in Expo history, expo panellists reveal

Reem: 150 countries confirmed their participation in Expo 2020

Al Tayer: Route 2020, Road Projects, 724 Buses and 2900 cabs to meet needs of Expo 2020

Bin Sulayem: Dubai Ports invested \$15 b to revamp ports worldwide

Speakers in the key discussion panel of the Dubai International Project Management Forum (DIPMF) entitled: Expo 2020 Projects, stated that the UAE, represented by the Emirate of Dubai, will deliver an unparalleled edition in the history of Expo, thanks to the infrastructure of the UAE coupled with its extensive experience in international communication. During the legacy phase, the site of Expo will transform into a city attractive to companies operating in various sectors and complement the business cities and

residential neighbourhood in Dubai and the UAE.

Her Excellency Reem Ibrahim Al Hashmi, Minister of International Cooperation and Director General of Expo 2020 Office, said, "The UAE hosting of Expo, which coincides with the UAE's Golden Jubilee, will be a global platform for promoting cooperation with all people on earth. It celebrates the latest achievements and technologies aimed at improving the quality of living and protecting the planet. Mega events do have positive reflections all economic and cultural aspects and set an unconventional model for entrepreneurship.

Higher Committee

HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the Roads and Transport Authority (RTA), said, "Once Dubai won the bid to host Expo, we, in the RTA, set up an organisational chart for managing transportation needs of Expo. It includes a higher committee covering roads, public transport, metro, emergency response, crowds management and strategic relationships. We have also established a specialist PM office to integrate Expo projects and ensure timely delivery. "The RTA has completed six studies and projects and currently undertakes projects costing about 15 billion dirhams. The Enterprise Command and Control Center, which has

been opened by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, last May, is one of the key projects completed. It will assist the monitoring and management of all transit modes and crowds. The portfolio of projects currently underway includes Route 2020 for extending the Dubai Metro Red Line 15 km from Nakheel Harbour and Tower Station to the site of Expo 2020.

Road projects serving Expo comprise upgrading the intersections of the Airport Street to accommodate the traffic movement around Dubai International Airport, which will be completed in February 2018; meanwhile road projects around Expo will be completed in phases ending in February 2020. The RTA will also deploy 625 buses and 2,900 taxicabs or more to serve Expo, besides constructing 14 bus stations in different places in addition to 99 shuttle buses to commute riders within the site of Expo.

50m Units

Sultan bin Sulayem, CEO of DP World, said, "90% of shipments consigned to Dubai are received via ports. We receive about 50 m units every year, and this number is set to double in 2020 to more than 100 m units per annum. These changes dictate a huge challenge in boosting productivity to cope with the increasing





number of shipments with the same he human resources. We have also got to expedite customs clearance as the time taken to inspect shipments account for 80% of the procedures of delivering them.

“Over the past decade, we have invested 15 b Dollars to upgrade the ports of Dubai, London, Brazil, Vietnam, Peru, Somalia, Mogadishu, Mozambique, Dakar, the Netherlands and others. With our portfolio of 77 land and sea stations spanning six continents, we are transferring our pioneering experience to the world, reflecting Dubai’s remarkable success in developing

and managing ports and free zones, and diffusing the innovation achieved by the Emirate in this field.

Henry Pobar Lafarge, President of Alstom, expressed his delight with Alstom’s partnership with the Government of Dubai Expo through taking part in the construction of Route 2020 Project. “We are working with a team spirit to accomplish all the work on the project on time. We are keen to use modern technology such that Route 2020 will be an iconic landmark added to the galaxy of superb projects in Dubai.





Al Tayer calls on youth to set out career priorities

HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the Roads and Transport Authority (RTA), stressed to youths the importance of setting their priorities and objectives at the start of their professional careers. He called on them to search for the jobs that match to their specialities in order to share benefits with the working environment. He counselled them to select academic majors befitting the job market as our leaders rely on the potential of youths in building and development of our nation. Al Tayer made this statement while attending Youth Panels

on Day 1 of the Dubai International Project Management Forum (DIPMF) in the presence of HE Abdullah Al Basti, Secretary-General of the Dubai Executive Council. During the session, which was attended by scores of youth both male and female, Dr Alaa Zaytoon, Board Member of PMI, delivered a lecture and Eisa Al Ali, Direction of Commercial Affairs and Operation, Etihad Rail made introduction.

Discussions highlighted that Project Management should focus on Emotional Intelligence (EQ) in enhancing development through intelligent and effective communication with the concerned parties, passion, diligence and dedication to work.





Corporate PM and Governance –Developments Needs Analysis (DNA)

Three presentations were made during this session namely: Why do organisations need PM Academies?, Enhancing results and alignment through governance of corporate PM, and Shall we measure important matters – Upcoming Generation Project and PMO satisfaction rating.

Dave Gunner, Head of PM Academy, HP, introduced the session entitled (Why do organisations need PM Academies?). In his presentation, Gunner touched on several key aspects including some known PM challenges. Not all PM issues can be sorted through improvement, as some obstacles will still be there. But where are those loopholes and how to benefit from learning and knowledge, implementing learning and knowledge and types of PMOs. Examples of PM Academies include NASA, Siemens and others. Among key topics discussed by Gunner was the Development Needs Analysis (DNA).

Morten Soreson, who is in charge of Global ITC Solutions,

Washington DC, discussed in the session themed: Enhancing Results and through governance of corporate PM several key topics such as: Implementation of Strategies (Why are Governments important?), Governance Management (Overlapping and Relations), Governance Activities Vs Events Management, enabling the utilization of benefits, and Cognitive management among others. Jack Duggal concluded the session with a visual presentation entitled: Shall we Measure Important Matters? Upcoming Generation Project and PMO satisfaction rating.

Humanitarian Projects Management

In the Humanitarian Projects Management Session moderated by Ahmed Mahboob, Executive Director of Customers Service, Corporate Administrative Support Services Sector, RTA, speakers included Gosbi Saba, Executive Director of the International Humanitarian City, and Catherine Reitman-Beven, Global Sustainability and Responsibility Director,





DP World, and Mohammed Al Hosani, Director of Leadership and Empowerment, Emirates Foundation for Youth Development. Speakers stressed the importance of humanitarian PM in safeguarding the intended deliverables, gaining experience, coordinating with stakeholders and other related entities, and ensuring support and assistance.

Achieving Great Agility Makes a Difference

Mark Langley, CEO of PMI praised the clear vision of Dubai and the ability of this vibrant city to innovate in all fields including PM, especially mega projects such as Burj Khalifa the tallest in the world. Langley made this statement during a keynote speech he delivered in a session entitled (Achieving Great Agility to Make the

Difference). He made a visual presentation highlighting several topics related to corporate agility in PM and how can this agility make a clear difference in completing projects.

Mr. Langley expressed his deep delight for taking part in the DIPMF since inception and through to the current fourth edition held under the theme: Making A Difference. He thanked HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the Roads and Transport Authority (RTA) and his immense efforts in making this great event a success.

Among the key points highlighted by Langley is that 92% CEOs say that the corporate agility of projects and organisations in a critical position whereas 27% of these CEOs say that organisations are resilient in doing their business.



Laverne Johnson speaking in Dubai Int'l PM Forum:

Mohammed bin Rashid inspiration underscores Dubai's strength and determination in facing challenges

Ms Laverne Johnson, President and Chief Executive Officer of the International Institute for Learning, said: "I get excited with every visit to Dubai, and it has the strength and determination to face the challenges thanks, to the inspiration of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. This excitement is attributed to the growing ability to exchange knowledge in a short period. Dubai's winning of Expo 2020 with the most significant votes means that it is gearing to receive more than 25 million people. Hence, my talk is focused on the courageous leadership."

Ahmed bin Saeed inaugurates IRF Congress & Exhibition

The event is held under the patronage of Hamdan bin Mohammed

Under the patronage of His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council; His Highness Sheikh Ahmed bin Saeed Al Maktoum, President of Civil Aviation Authority, Chairman & Chief Executive Emirates Airline & Group Dubai, inaugurated the first International Road Federation (IRF) Middle East and North Africa Regional Congress and Exhibition at the Dubai World Trade Centre. The event, which was held under the theme ‘Mobility Solutions for the 21st Century’, saw the participation of 200 speakers in 50 sessions. More than 70 exhibitors took part in the exhibition, which spanned an area of 3,000 square meters.

Hosted by the Roads and Transport Authority (RTA), the event’s inaugural session was attended by His Excellency Abdullah Al Moqbel, Chairman of the International Roads Federation; Dr. Abdullah Mohammad Belhaif Al Nuaimi, Minister of Infrastructure Development; and His Excellency Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the RTA, along with senior officials and representatives of regional governments. Delivering the keynote speech, the Chairman of the International Road Federation highlighted the role of the IRF, which was established in 1948 to assist in rebuilding Europe’s road infrastructure following World War II. The IRF aims to ensure safe and smooth mobility & trade, bolster the relationship between roads development and global economy, and streamline the tasks of transportation personnel. “The IRF has launched programmes to assist engineers and technicians in developing their knowledge and technical skills, and trained about 1,400 engineers from 118

countries in the field of roads. The IRF provides the technical knowledge to scores of public and private institutions around the world as well as experts and specialists who share their views and expertise with different countries in the fields of consultancy services, civil construction, transport and others,” said Al Moqbel.

“The proportion of autonomous vehicles is expected to reach 15% by 2030, which will require upgrading the road infrastructure. Through its experts and consultants, the IRF is the only entity capable of coping with the fast-moving developments,” he noted.

Al Moqbel congratulated the Custodian of the Two Holy Mosques, King Salman bin Abdulaziz Al Saud, and His Highness Prince Mohammed bin Salman bin Abdulaziz Al Saud, Crown Prince and Deputy Prime Minister, on launching of NEOM; a mega project born from the ambitious Saudi Vision 2030 to propel the development of the Kingdom into a pioneering model of excellence in various areas of life.





Dubai Model

The keynote speaker, HE Anthony Foxx, Former US Secretary of Transportation, praised the UAE's infrastructure, setting a role model to be emulated in building highways and internal roads, as well as smart mobility solutions that ensure smooth mobility for all. "Dubai is rated among the best worldwide in terms of roads and mobility thanks to its initiative to be the world's smartest city," he said. Foxx also threw light on five challenges that mobility faces in the 21st century, namely: personal mobility of the people, inter-city transportation of goods, climate change & its impact on infrastructure, pros and cons of technology usage, and governance in solving traffic congestion problems. These challenges require courageous decisions to provide green spaces that encourage people to walk and use environment-friendly means of transport, besides utilizing

modern technology in people's mobility and reducing its negative effects such as using mobile phones while driving. Studies indicate that human errors account for 90% of traffic accidents in America.

Recognition

HH Sheikh Ahmed bin Saeed Al Maktoum, accompanied by His Excellency Abdullah Al Maqbel and HE Mattar Al Tayer, honoured the sponsors of the Congress highlighted by the felicitation of HE Anthony Foxx. Sheikh Ahmed then opened the Exhibition which attracted the participation of 70 companies hailing from 50 countries. Exhibitors showcased state-of-the-art technology in the design and operation of road networks, as well as the latest innovations in transportation engineering, smart cities and autonomous vehicles.

115 countries

The International Road Federation (IRF) is a global not-for-profit organisation, headquartered in Washington, DC since 1948 and supported by regional offices throughout the world. The IRF serves a network of public and private sector members in more than 115 countries. It provides world-class knowledge resources, advocacy services, and continuing education programs which together offer a global marketplace for best practices and industry solutions.

The IRF works with the public and private sectors to identify the latest technological and scientific developments related to modern road networks, land transport systems, and road traffic control. It promotes road traffic safety, economic & environmental projects & programs for improving road networks. It provides educational & training programs related to the development & maintenance of road and land transport networks, exchanges experiences with international institutions, and promotes the national & regional road committees. It compiles and sorts statistical, technological, economic data related to upgrading road systems and standards, besides contributing to developing technical standards and supporting research on road systems at the local and regional level. Thus it has become a global platform for sharing feasible solutions aligned with the best practices and international standards of the industry.



Expenditure on Dubai Roads reached US\$20b during 2006 – 2016

HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the Roads and Transport Authority (RTA) stated that the Dubai Government Strategy had attached utmost priority to the development of the infrastructure and transport. "The Dubai Government has pumped billions of dirhams in this sector and the sustained strategic direction has brought in a quantum shift evidenced by ranking the UAE Number One in the quality of roads for four consecutive years in the international competitiveness index of Davos Global Economic Forum. It has also resulted in saving 34 billion Dollars as time and fuel wasted by traffic congestions. Expenditure on RTA projects during 2006 and 2016 amounted to 20 billion Dollars. Accordingly the rate of mass transit means jumped from 6% in 2006 to 16% in 2016. Mortality rate has also dropped from 22 cases per 100 thousand of population in 2006 to 3.5% per 100 thousand of population by 2016," said Al Tayer in his speech delivered to the opening session of IRF MENA Congress held under the theme: "Smart Infrastructure for Mobility Future in Dubai).

"The conventional infrastructure seen in many countries will not be able to keep pace with the projected urban and demographic growth. Urban population is expected to hit 5 billion persons (60% of world population) by 2030 though cities account for less than 5% of the area of earth. The number of vehicles is expected to increase by 60% over the next decade to reach about two billion vehicles. The ability of cities to accommodate the additional numbers of peoples and vehicles requires upgrading the efficiency and

ability of infrastructure and services provided by cities. It needs a transition to smart, innovative and sustainable cities that use the latest technologies of telecommunication and digital information. Such a trend is crucial to simplifying and supporting planning, decision-taking and improving the quality of life. It also increases the efficiency of services, enhances global competitiveness and address the needs of current and upcoming generations.

Smart Cities

"The RTA is a key partner of the smart city initiative launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, four years ago aimed at transforming Dubai into the smartest city in the world. The RTA is spearheading the smart mobility drive and lends support to other key aspects such as the smart economy, smart life, and the smart government. RTA's mobility services are focused on three key drivers: customer centricity, integrated transport, and encouraging the partnership between public and private sectors," said Al Tayer.

He also touched on the challenges encountered by the smart infrastructure improvement in Dubai highlighted by the rapid demographic growth of 7% pa. It is also coupled with the rapid urbanization, inclement weather conditions and multi-cultural ethnicities. Other challenges include global challenges relating to legislations and laws, laws and privacy and safety, maturity point and the endorsement of the smart technological systems.

"To beat these challenges, the RTA has developed a clear model capable of meeting current and future requirements of the smart

infrastructure of roads and transportation. It includes RTA's road-map for the smart city comprising 62 projects and initiatives in the fields of smart infrastructure, sustainable transport, smart vehicles and digital transformation. About 64% of these projects and initiatives have been accomplished covering advanced control centers, autonomous mobility, smart transportation systems, transit-oriented development plans, smart integration of transport systems, and smart infrastructure of roads, services and apps. The RTA has accomplished the construction of several projects including Dubai Metro and Tram, Enterprise Command and Control Center, in addition to several apps and smart services.

Autonomous Mobility

Al Tayer highlighted RTA's efforts in implementing the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, to convert 25% of total journeys in Dubai into driverless journeys by 2030. "RTA Smart Mobility Strategy steers the transition to the autonomous transport, whereas it is the private sector that leads this trend in several other cities. RTA's strategy covers all transit means whereas other cities focus on a limited number of means. The RTA has accomplished several projects in support of the smart mobility highlighted by: Dubai Metro and smart card and a structure for a standard fare for all public transport means, providing taxi and smart car rental, bikes parking areas at the metro stations. It also includes developing projects aimed encouraging the use of mass transit systems such as the Union Oasis. In the roads infrastructure, the RTA had focused on lighting, parking and pedestrian signals besides providing 174 services via mobile phones and smart cases.

Smart Roads

"The RTA is currently developing programs, projects and key initiatives aimed at enhancing the infrastructure and the smart services of roads and transport covering improving the smart infrastructure of roads network such that it would cover 60% of main roads in Dubai by 2018/2019. It also includes constructing a new traffic control center that uses latest technologies built on mega information, artificial intelligence, 3D Print for producing metro sport parts in addition to bus shelters. Initiatives include the internet of things to link assets with a central control systems for monitoring the traffic condition and the remote controlling in addition to the air taxi which has started trial operations lately.

Concluding his speech, Al Tayer said: "The success of transition to smart cities require shaping the future, clear and well-defined priorities depending on nationalities, provision of setting out and priorities and identifying risks, resetting priorities, and identifying risks besides developing necessary strategies, and providing instant information and the unreserved adoption modern technologies.

RTA and IRF ink MoU to launch global alliance & adopt modern technology of sustainable roads

HE Abdullah Al-Mogbel, Chairman of the International Road Federation (IRF), and HE Mattar Al Tayer, Director-General and Chairman of the Board of Executive Directors of the Roads and Transport Authority (RTA), witnessed the signing of a Memorandum of Understanding (MoU) between the RTA and the IRF Middle East & North Africa Regional Congress & Exhibition held under the theme "Mobility Solutions for the 21st Century."

The MoU was signed on behalf of the RTA by Engineer Maitha bin Adai, CEO of RTA Traffic and Roads Agency; and on behalf of the IRF by Mr. Patrick Sankey, President cum CEO of the IRF, in the presence of scores of directors and staff members from both sides.

"The MoU, which comes in line with the UAE Vision 2021 and Greening the Economy, aims at launching the Excellence Center for Energy & Environmental Sustainability in Road Design to benefit from the latest experiments, research data and specialized studies related to road design. It also aims to provide practical training to road researchers, introduce modern technology of sustainable roads, and foster partnerships between government institutions, academic centers and private companies through specific & specialized programs in this field," declared engineer Maitha bin Adai.

"Pursuant to this MoU, a global alliance of connected roads will be launched, with the aim of utilizing the existing expertise of the IRF, which participates with nearly 400 partners hailing from more than 70 countries, including researchers and smart infrastructure interested parties. The target of transforming 25% of all transportation in Dubai into smart and driverless by 2030, requires conducting specialized studies, and infrastructure scientific research, particularly smart traffic control means. It also requires entry and exit management, and speed control procedures without compromising pedestrian crossings, which

contributes to upgrading infrastructure in line with future plans,” continued bin Adai.

Mr. Patrick Sankey, President and CEO of the IRF, said: “We are delighted to sign this MoU with the RTA, which underscores the keenness of the two sides to combine efforts to enhance communication & cooperation through government partnerships. It also reflect the commitment of both parties to support all strategic initiatives & projects aimed at providing the best infrastructure for the roads & transport sectors as per the highest standards of traffic safety & facilities maintenance.”

“The IRF will share the researches & views of leading road experts who boast of long experience in road design, energy and environmental sustainability,” added Sankey.

“This MOU will contribute to upgrading the efficiency of modern roads & traffic services in Dubai emirate by overcoming the challenges facing mobility and devising the best solutions for smooth traffic flow in a way that achieves the RTA’s vision and meets the aspirations of the residents, investors and visitors alike in order to shift the emirate to a new era of growth & development,” concluded the President and CEO of the IRF.

RTA & Emaar ink joint venture to launch autonomous vehicles

The Dubai Roads and Transport Authority (RTA) has signed a joint venture with Emaar Properties to study the launch of autonomous vehicles using smart traffic signals as crossings between the Dubai Mall and Boulevard areas. the agreement was signed on the sideline of International Road Federation, IRF, Middle East and North Africa.



Maitha bin Adai, CEO of Traffic and Roads Agency signed the agreement on behalf of RTA by, and on behalf of Emaar Properties signed it Ahmed Thani Al Matrooshi, Managing Director of Emaar Properties, in the presence of scores of directors and staff members from both parties.

MENA International Road Federation Congress & Exhibition attracts varied platforms

The First International Road Federation Congress and Exhibition, of the Middle East and North Africa (MENA), which started on Sunday, October 29, and will continue for three days until Tuesday, October 31, witnessed diversified participations from different countries all over the world.



Autonomous vehicles impose new challenges to build smart roads: Bin Adai:

The curtain was drawn on the International Road Federation Conference and Exhibition, which was hosted by Dubai under the theme “Mobility Solutions for the 21st Century” at the World Trade Center between October 29–31.

Expressing her delight with the outcomes of the conference, Engineer Maitha bin Adai, CEO of Traffic and Roads Agency at the Roads and Transport Authority (RTA), said: “Kudos to your efforts to make this remarkable achievement at one of the major road & transport engineering conferences in the Middle East and North Africa. This was apparent from the lively discussions & exchange of ideas and the key achievements reviewed in the field of traffic and roads in general, and traffic safety & modern technology for future smart roads in particular. The conference also reviewed several working papers, studies pioneering ideas. The road network we are building today is a solid, long-term asset a legacy for future generations, capable of easing traffic in the future.”

The closing session of the conference outlined the most important ideas shared during the conference, and the best global practices discussed by RTA about traffic safety, integration of transport and the infrastructure required for smart vehicles. Such key issues require establishing partnerships, exchanging experiences and disseminating knowledge in all fields among governmental and non- governmental organizations in the region,” noted bin Adai.

Bin Adai also spoke about the autonomous vehicles that posed new challenges and perceptions to our road infrastructure, which warrants upgrading the existing technology in an innovative manner. “This is exactly what we saw at the conference through the studies & researches delivered, which carried great reso-

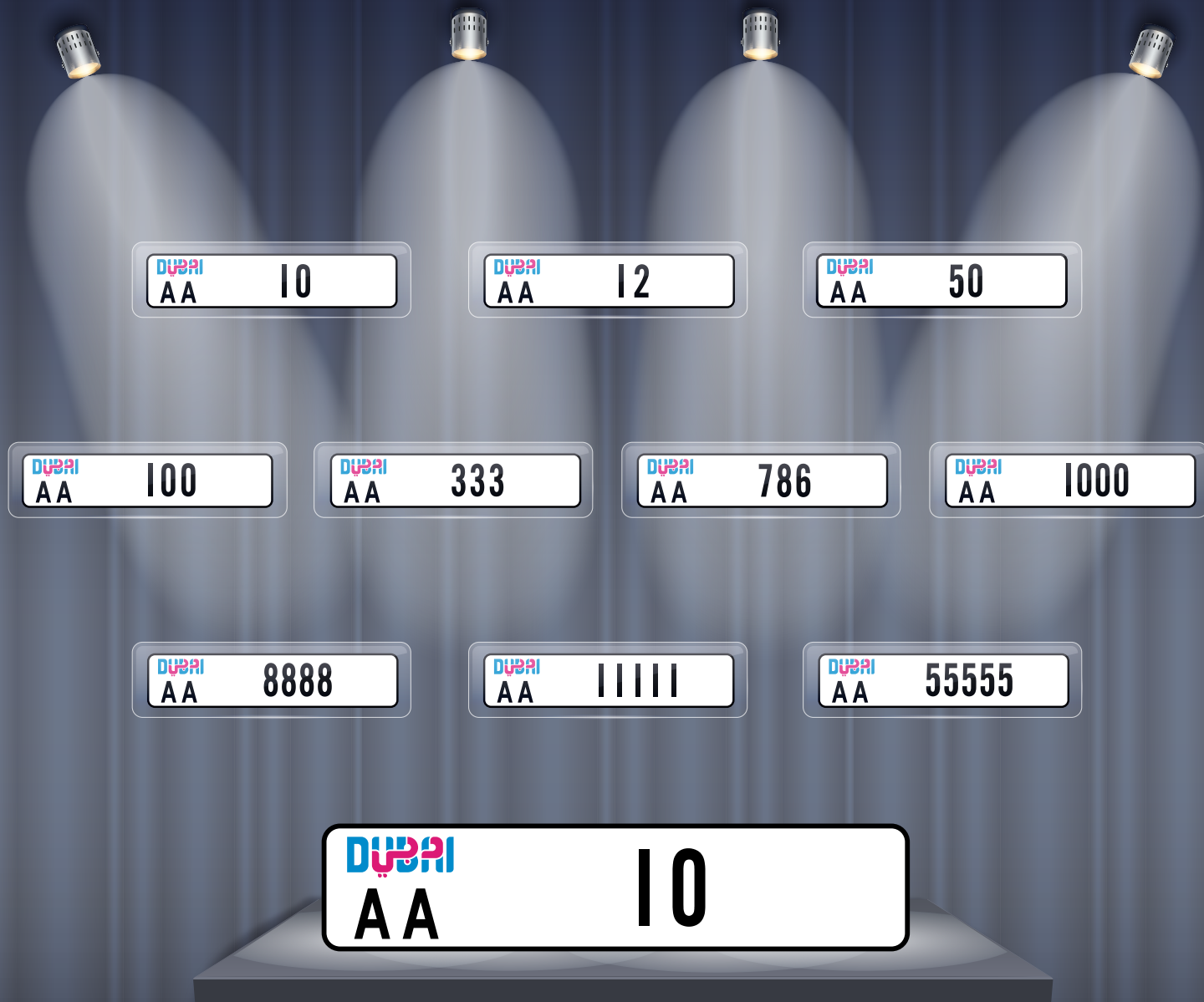
nance among the attendees of the conference.”

Commenting on the agreements made to boost the development drive, bin Adai said: “The RTA signed a Memorandum of Understanding (MoU) with the International Road Federation (IRF), focusing on two key issues: Launching a global alliance of connected roads, and the Excellence Center for Energy & Environmental Sustainability in Road Design. On Day 3 of the conference, the RTA also signed a Memorandum of Understanding with Emaar Properties, one of the RTA’s strategic partners, to implement the outcomes of the project of the autonomous vehicles to be run on pavements, crossing sideroads via purpose-built traffic signals with modern technology.”

Mr Patrick Sanke, President of the International Roads Federation, thanked the RTA for bringing success to the event, which he described as “creative.” Sanke also presented a video clip about the proposed objectives & outputs along with conference highlights,” hoping that the MoU signed with the IRF would combine efforts of world’s transportation think tanks within the IRF to provide the required expertise in these areas. Prof. Essam Radwan, Co-Chair of the Technical and Scientific Committee, touched on the most important issues agreed upon during the conference.

At the end of the session, the winners of the IRF Awards were honored, namely the Dubai Roads and Transport Authority, Maritime Affairs of the Turkish Ministry of Transport, CCCC Second Highway Consultants Co.,Ltd, Transport Department Project Office in Hubei Province funded by the World Bank, IL&FS Transportation Networks, Parsons, JW Ding Tai for Environmental Technologies, Lewis Yaberge, Nissan Middle East, Express Way of Korea, Transcom ConSysTech, and INFOSYS GLOBAL LTD.





Be one of the 10 exclusive owners of these new generation number plates. An opportunity that won't come by until end of 2018.

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Date: December 9, 2017
Time: 5:30pm
Venue: The Westin, Al Habtoor City

Any auction bidder must have a valid traffic file in the Emirate of Dubai.

For bidding, a deposit cheque of AED 25,000 must be provided, which will be given back to the bidder if he doesn't get any number.

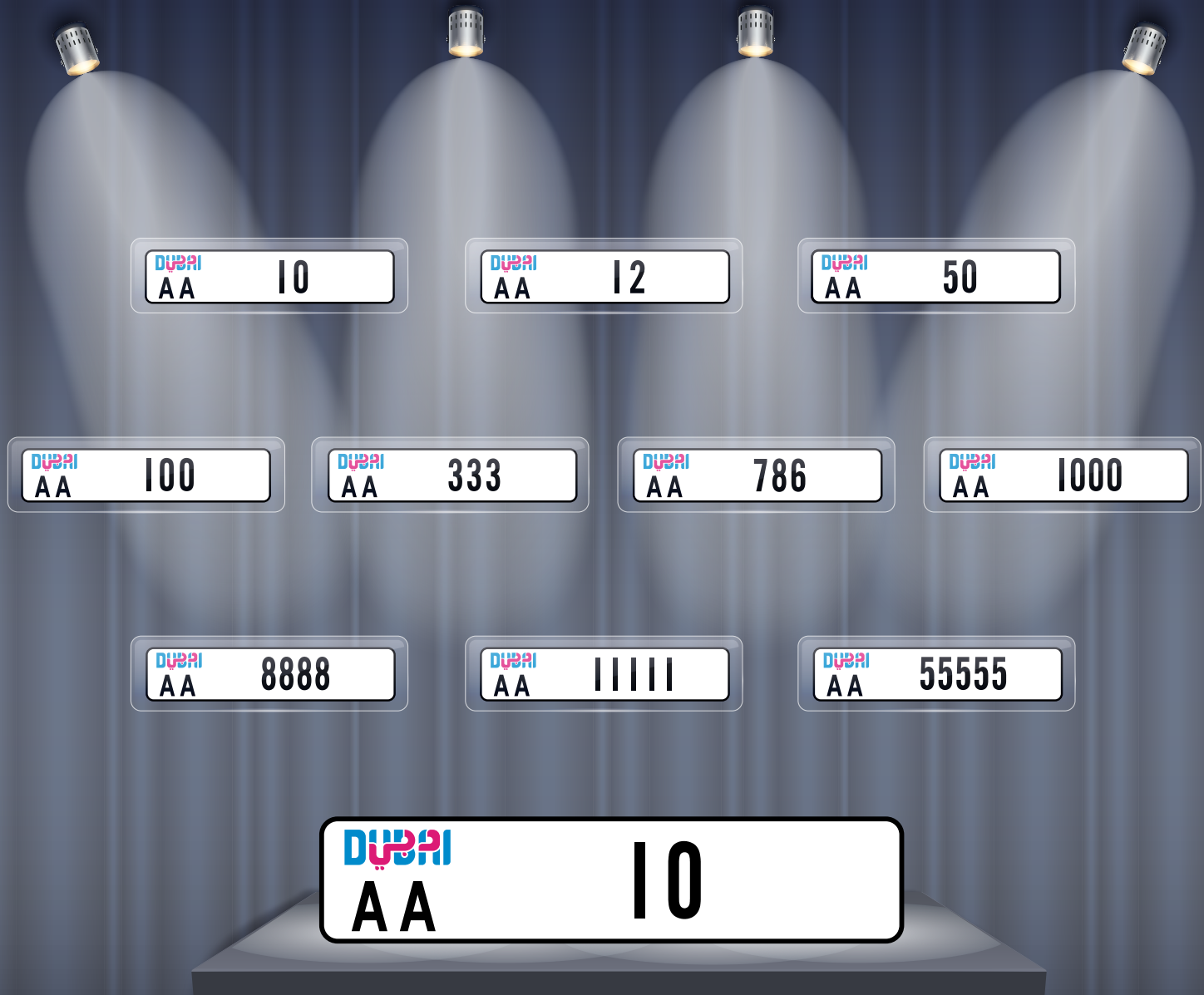
The successful bidder should pay the bid amount within 10 working days, otherwise the deposit will be confiscated and he will be on the 'un-committed' list.

Anyone has the right to own any number of plate numbers.

Terms and Conditions apply.

Registration will open from 3/12/2017 through www.rta.ae, by visiting the Happiness Centers, or through the Dubai Drive App.

Entrance Fee: AED 120 (cash)



التاريخ: 9 ديسمبر 2017
الوقت: 5:30 مساءً
المكان: فندق ويبسترن، مدينة الحبتور

يجب أن يتوفر للمتعامل الراغب في الاشتراك، ملف مروري في إمارة دبي.

للمشاركة في المزاد يجب إيداع شيك تأمين بمبلغ 25,000 درهم قابل للاسترجاع في حال لم يبرش عليه رقم من المزاد.

على المزايد دفع مستحقات الأرقام خلال مدة 10 أيام عمل حتى لا تتم مصادرة مبلغ التأمين وإدراجه ضمن قائمة غير الملتزمين.

يحق لأي شخص امتلاك أي عدد من الأرقام.

تطبق جميع الشروط والأحكام.

سيتم فتح باب التسجيل من تاريخ 2017/12/3 عبر الموقع الإلكتروني www.rta.ae أو بزيارة مراكز إسعاد المتعاملين، أو عن طريق تطبيق الهواتف الذكية "دبي درايف".

يطبق رسم اشتراك بقيمة 120 درهماً (نقداً).



كن من العشرة المميزين المالكين للجيل الجديد من الأرقام الحصرية، عبر فرصة لن تتكرر حتى نهاية عام 2018.

كُن من النخبة المتميزة، امنح مركبتك لمسة حصرية عبر
اختيار واحدة من 10 لوحات أرقام مميزة ثنائية الرمز
والمعرضة في المزاد العلني.

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