



PRESS RELEASE

23 APRIL, 2018

SHOWCASE OF MRT's FIRE AND RESCUE CAPABILITIES FOR UNDERGROUND WORKS

MRT Corporation Sdn. Bhd. (MRTC) and MMC Gamuda KVMRT (T) Sdn. Bhd. (MGKT), MRT project owner and Underground Works package contractor for Klang Valley Mass Rapid Transit project respectively organized an event on MGKT's Fire and Rescue capabilities recently which included a demonstration on how rescue operations were carried out following a "Serious Road Traffic Collision" involving two vehicles with multiple persons trapped. Simultaneously, during the rescue, the "victims" trapped in the wreckage were provided trauma care throughout the extrication process itself before being mobilized to hospital.

MGKT Project Director Satpal S. Bhogal said the main objectives of the event were to showcase the significant activities of our Fire and Rescue Team and its composition while demonstrating the team's expert abilities in carrying out rescue operations while also rendering medical attention. Speaking of the MGKT Rescue Team he said it is also believed to be the first such elaborate set up by a contractor in Malaysia, where there were three types of emergency response teams for the project. The first being the full time Fire and Rescue team, second is the on-site Emergency Response Team and the third the Traffic Emergency response team.

"The demonstration today combines the actions of all three teams who will aim to have the "victims" extricated from the wreckage within 20 minutes with trauma care being conducted simultaneously" said Bhogal. This is part of the 'Golden Hour' which is a rescue mission completed within 60 minutes from the time of impact to the victim being in the hospital operating room, for severe cases.

Although not scientifically proven, it can be shown that for a person receiving hospital intervention and definitive care within this time period the chances of survivability and recovery times are improved. As mentioned quicker is always better and if we can achieve a 'Platinum' extrication, 10 minutes, all the better. The Golden Hour and our 20-minute time frame is based on approximates and broken down from injury time to first call 5 minutes, travel time of emergency crews 10 minutes, extrication 20 minutes, transport by ambulance to hospital 10 minutes, critical assessment in ER 10 minutes.



Bhogal added that these are acutely important for the project because being a tunneling contractor the emergency needs are highly specialized.

“These enhanced emergency services were set up following an in-depth review of our risk, need for line-wide coverage, casualty extraction times and the difficulties and expertise needed to deal with underground projects and potential incidents of this scale and complexity, explained Bhogal.

“Our full time Fire and Rescue Service is made of 40 staff providing fire and rescue cover on a 24/7 basis comprising area manager, station managers and firefighters, overseen by the Crisis Management Director”, said Bhogal.

The on-site emergency response team comprises a minimum of five trained emergency response personnel on shift at every site amounting to approximately 120 personnel over 24 sites at any one shift, that in the event of an emergency, they would act as first responders and direct evacuation, deal with the small fire outbreaks, and administer first aid, albeit to an advanced level. They also serve to provide back-up to the full time Rescue personnel.

The lessons learnt during MRT Sungai Buloh- Kajang Line (Line 1) project also contributed to MGKT’s decision to expand its fire and Rescue capability. Several new emergency vehicles came into the existing fleet including Fire Engines, Paramedic Ambulances, Rapid Response Vehicles, Multipurpose Impact Protection and heavy Lifting vehicles.

The new 18-Tonne Heavy Rescue Pump and Rescue Pump Fire Engines are fully equipped to carry out the large range of potential rescue and firefighting scenarios identified through a detailed risk evaluation processes. These vehicles are new in Malaysia and were custom-designed for the specific and complex needs of the Tunneling and Underground works.

Meanwhile, the new Paramedic/MA Ambulances provide emergency medical response provisions in addition to on-site first aid equipment. They carry the latest equipment in light of current technology such as patient vital signs monitors, ECG equipment, ventilators, suction equipment, fixed and portable oxygen resuscitation including automatic CPR and others.



In terms of training, MGKT's full time Rescue Service Personnel undergo intensive basic training over three months to provide lessons on fire sciences, command structures, operational practices and practical use of equipment such as core firefighting competence skills including advanced first aid. For the selected few, the basic training is then supplemented by specialist courses for fire fighters as well as medical aid providers.

-END-

For media clarification, please contact:

MMC Gamuda KVMRT (T) Sdn Bhd

Leong Shen Li: 012-3196602 / leong.shen-li@mymrt.com.my

Dr. Bhavani Krishna Iyer: 019-312 8303 / bhavani@kvmrt-ug.com.my