



**PRE-RECORDED VIDEO  
IN CONJUNCTION WITH  
WORLD ENGINEERING DAY CELEBRATION  
FROM 4th - 9th MARCH 2024**

Organised by:  
Public Sector Engineers Special Interest Group, IEM

# WEBINAR TALK ON Electric Vehicle Initiative in Malaysian Government Fleets: A Sustainable Approach to Transportation



*SPEAKER:*

**Ts. MOHD AZLAN BIN UMAR**

BEM Approved CPD: 2  
Ref no: IEM23/HQ/160/T (w)

**REGISTRATION FEE :**

IEM STUDENT : FOC  
IEM MEMBERS: RM15  
NON IEM MEMBERS: RM70

 **6 MARCH 2024, WEDNESDAY**

 **9.00AM - 11.00AM**

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# SYNOPSIS

In recent years, electric vehicle (EV) technology has emerged as a sustainable solution to reduce greenhouse gas emissions, lower energy consumption, and mitigate the effects of climate change. The Malaysian government has recognized the potential benefits of EVs and has initiated efforts to integrate them into its fleet, setting ambitious targets for clean transportation. This study examines the current state of EV adoption in Malaysian government fleets and the prevalence of EV conversion initiatives in the country, with a focus on understanding the key drivers and challenges associated with this transition.

The webinar explores the barriers, opportunities, and policies in place for promoting EV adoption and conversion in Malaysia, including incentives, infrastructure development, and public awareness campaigns. Additionally, it highlights practices from case studies and offers recommendations to enhance the transition towards sustainable transportation in the Malaysian public sector. These recommendations encompass measures such as creating a supportive regulatory framework, fostering collaboration between stakeholders, developing a skilled workforce, and prioritizing research and development in the EV sector.

## SPEAKER'S PROFILE

**Ts. MOHD AZLAN BIN UMAR** graduated in BSc. Mechanical Engineering from Korea University in 2008. He then pursued his Master in Facilities & Maintenance Management (With Distinction) at University Malaya in 2019.

He started his career in the public sector and was placed in the Security Work Branch (Cawangan Kerja Keselamatan), IPJKR from 2009 - 2013. He then transferred to the Ministry of Tourism & Culture before taking a study leave to continue his master's studies. After obtaining a master's degree in 2019, he has now worked in the Mechanical Services Division, Mechanical Engineering Branch.

He also has some technical experience throughout his career such as Project Management, Project Management, Facilities, Building & Vehicle Maintenance Department, Facilities Management Research & Maintenance and most recently Automotive Engineering Management.

He also obtained several professional qualifications such as Professional Technologist (MBOT), Graduate Engineer (BEM), IMI International L3 Award In Electric /Hybrid Vehicle System Repair And Replacement, (IMI,UK), Workshop Level 3 Engineering Certification (Public Works Department) and Registered Project Manager (Works Department).