

## Talk on “Soft Starter as an Alternative motor starter method in Building Automation”

(Organised by Building Services Technical Division, IEM)

**Day/Date:** 24<sup>th</sup> August 2017 (Thursday)  
**Time:** 5.30 p.m. – 7.30 p.m.  
**Venue:** Auditorium Tan Sri Prof. Chin Fung Kee  
3<sup>rd</sup> Floor, Wisma IEM, Petaling Jaya  
**SPEAKER:** MR. PEDRO HAVRANEK NASCIMENTO

### SYNOPSIS

Traditionally the motor starter methods are Direct on Line, Start Delta and Auto Trans. The decision to select the right motor starter method is dependent on the horsepower of the motor. Soft Starter is an alternative to these traditional starting methods especially in the Building Services equipment. The talk will focus the Building Services equipment where there will have such choices meaning traditional method or Soft Starter method. For example, motor starting method using traditional method there is the problem of water hammer in the pipe lines whilst use of Soft Starter will effectively eliminate this omnipresent problem.

Whilst there will be many aspects within the Building Services equipment where soft starter is an alternative, there will be situations where soft starter or inverter can be applied. The presentation will cover the technical and economic aspects and some brief on the compliance to the various International standards like IEC, UI standard, NBR, CISPR, and CE. The conclusion will touch on the economic viability of Soft Starter against the different starter motor methods.

### BIODATA



**MR PEDRO HVRANEK DO NASCIMENTO**  
Automation Deputy Manager  
WEG Electric Motors Co.

Mr. Pedro Havranek Nascimento graduated in 1997 at the “Jorge Street” Technical School and hold as bachelor degree of Technology (B. Tech) Industrial Electronics, in 2003 was graduated at the “Escola Mauá de Engenharia” as bachelor degree in Electrical Engineering with focus in Automation.

He started his carrier in the Packing Machine Business had been working for 10 years in global OEM’s first as technician, then as Electronical Supervisor.

Since 2005 has been working in WEG Automation business first as Drive Specialist Then for 5 years as WEG Automation Head of HVAC in Brazil since 2016 has been working in Asia as Automation Deputy Manager.

As a WEG Automation Head if HVAC his working with the R&D team to launch products and solutions as well is a key person to working with consultants for HVAC and Building Automation in Brazilian Market.

**Ir. Wong Win Heng**  
Chairman,  
Building Services Technical Division (BSTD)

**BEM Approved CPD/PDP : 2 Hours**  
Ref : IEM17/HQ/310/T

### **ANNOUNCEMENTS TO NOTE:**

- **Non-members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- Limited seats are available on a "first come first served" basis (maximum 100 participants). **To secure your seat, kindly register online at [www.myiem.org.my](http://www.myiem.org.my).**

### **ADMINISTRATIVE FEE**

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- Student Members are however exempted.

### **PERSONAL DATA PROTECTION ACT**

I have read and understood the IEM’s Personal Data Protection Notice published on IEM’s website at <http://www.myiem.org.my> and I agree to IEM’s use and processing of my personal data as set out in the said notice.

### **CPD/PDP HOURS CONFIRMATION**

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Membership No:

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