

## “New UPS Technologies on 26.10.2017”



Pakistan’s leading Power Solutions Provider hosted a workshop on the New UPS Technologies launched in 2017. These technologies included 3Level Technology based Modular UPS System, Battery Management System and Lithium Ion solutions. The following is the summary:

- UPS Efficiency has a great effect on the total cost of ownership as  
**TCO = Losses in UPS in KW x Watts per hour rate with local Utility supplier x365x24**  
 Socomec is able to achieve the best TCO for UPS in the world with 3 level technologies & Power Factor 1 making it more energy efficient, lesser foot print and reducing the point of failures.
- Mean Time Before Failure (MTBF) & Means Time To Repair (MTTR)** are very important to overall availability of the critical power system as the formula of availability is **A = 1 – (MTTR/MTBF)**. The NEW Socomec Modular UPS System is the first in the world to achieve a MTBF of **1,000,000 hours** and certified by third party testing.
- Life cycles of several types of battery VS Cost VS Application  
 VRLA Standalone standard batteries = 200 life Cycles  
 VRLA OPZv = 1200 life Cycles  
**Li-Ion Battery = 2500 life Cycles**  
**Li-Capacitor = 600,000 life Cycles**  
 Socomec is the first UPS manufacturer in the world to operate on Li-Ion & Li- Ion Capacitor

4. Battery Management Solutions- **Over 60% of UPS problems are due to battery failures.** A good Battery Monitoring System can significantly cut down the down time of the UPS. With Socomec there are several BMS option including with remote monitoring.



Mr. Edward Ong the APAC Area Manager also emphasized on the fact that Socomec has the largest European manufacturing plant and till this day Socomec focuses on R&D and Manufacturing to be in Europe. Since 49 years Socomec is manufacturing its UPS in France & Italy and is rated the top 5 leading brands in the world.

Mr. Uzair Zavary stressed over the fact that a leading brand requires a leading solutions provider such as Net-Line who has over 45 years of engineering expertise. The company is led by Engr. Iqbal Zavary who is one of the pioneers in the UPS market in Pakistan. In all the event was very successful participants were introduced to many new technologies. Consultants such as S. Mehboob & Company and FND attended the event.

