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Electronics Outlook

THE INDIAN
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BUSINESS ENVIRONMENT

Assessing the
Super capacitor market
in India

FEATURE

Recommendations on
Draft National Policy on
Electronics 2018
(NPE 2018)



**Need for a Policy Push for
5x5 Growth in High Value
Added Manufacturing**

MEMBERS' SECTION

The World's First "One-cell" Electric Vehicle Powertrain System to be Manufactured in India by IPEC Drive Systems Pvt Ltd.

IPEC Drive Systems is an Indo-Finnish partnership that is reimagining electric mobility. IPEC India Pvt Ltd is a technology and manufacturing company focused on building power electronic and energy storage systems for two key markets, one being e-mobility and the other being renewable energy. IPEC is committed to commercializing advanced technologies in these sectors. IPEC India Pvt Ltd is a joint-venture between:

- DEKI Electronics, India's largest film capacitor manufacturer
- MEHER Group, a diversified business group with businesses in the areas of electrical & electronic engineering, e-mobility & digital technologies
- SUNG HO Electronics from South Korea, a KOSDAQ listed company engaged in the manufacture of electrical & electronic products & systems

This is an exciting venture of Deki in the electric mobility space which was started with the design and manufacturing of world class electric chargers for two, three and four wheelers. It is now taken to the next step on our journey to serve the e-mobility sector through a collaboration L7 Drive Ltd. Of Finland. L7, Finland has developed a unique electric drive solution that simplifies the power train using parallel battery cell configurations. IPEC Drive Systems Pvt Ltd (IDS), the newly formed joint-venture between IPEC India Pvt Ltd and L7 Drive Ltd of Finland, envisages to bring this revolutionary technology to Light Electric Vehicles (LEVs).

The new company was formally launched by Ms Nina Vaskunlahti, Ambassador of Finland to India, at the Embassy of Finland in New Delhi on 19 November 2018 at the Embassy of Finland, New Delhi.



Ms Nina Vaskunlahti, Ambassador of Finland to India lighting the lamp

MEMBERS' SECTION

IDS will customize, adapt and manufacture the path breaking L7 drive systems for the world's electric vehicle manufacturers. The L7 drive technology employs just one single Li-ion battery cell, or a pack of parallel connected cells, to drive an electric motor in an electric vehicle. This eliminates the need for a Battery Management System (BMS) and the problems associated with cell balancing. The solution results in superior vehicle range, enhanced performance and increased reliability while optimising overall costs. The cloud connectivity capability of these drive systems system can transform electric vehicles to becoming "connected vehicles", a critical aspect for the future.

A panel discussion, hosted at the launch event, on "Light Electric Vehicles (LEV) and India – A high value opportunity" also brought out the positive socio-economic-environmental impact that LEVs can bring about in public transportation in urban and rural India. The role of LEVs in the e-commerce and retail sector in improving overall efficiencies was also brought into focus. The importance of LEVs in reducing India's petroleum consumption was also highlighted.

Pentti Bruun, Member of the Board, IDS, is enthusiastic about the possibilities of the L7 drive; "We are excited to introduce this technology to the world after a long developing process. We believe that the versatility of this technology is especially suitable for OEMs requiring a simple and reliable power train solution for e-mobility applications in a wide variety of environments".

According to Vinod Sharma, Chairman, IDS, "The L7 Drive system is going to revolutionise the light electric vehicle industry. The developing world, in particular, could see a rapid growth in LEVs with improved range and performance, lower costs and maintenance becoming simpler".

Speaking to the media at the event, Mur-taza Wajid, Member of the Board, IDS, said, "Our team is already working on customizing the L7 Drive for customers in India with production expected to start shortly. Engagements with several other LEV producers and autonomous mobile robot manufacturers are in progress"



The launch of IDS saw a packed house at the Embassy of Finland



A high-powered panel discussing the future of LEVs in India



LEVs on display included a 3-wheeler and electric cycles