

"Control and Power Management Approaches in LVDC Systems"



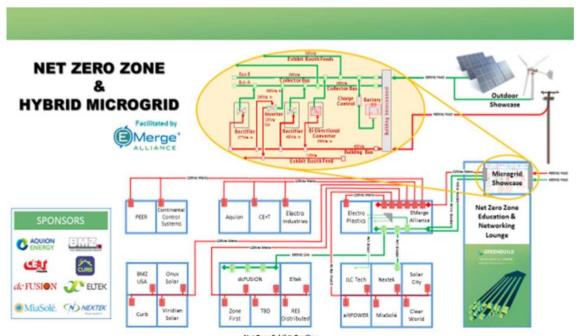


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See our hybrid dc microgrid demonstrations at:

Solar Power International 2016 Greenbuild 2016



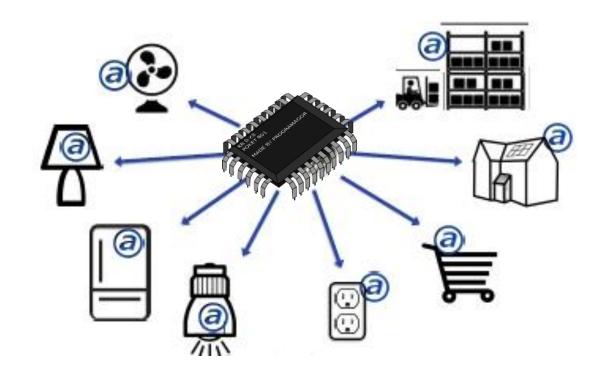








Scope of the discussion: Buildings as distributed power domains



The Internet of Things meets the Enernet of Energy

Control Approaches for LVDC Systems

LVDC: Power Systems based on the primary collection and distribution of dc power - 5 to 1500Vdc.

Primary Application: Premise and Campus Microgrids – Desktop to Point of Common Connection

Control & Management Functions: Power and device control, monitoring, transact (ideally analyze & optimize)

	Wired Combined Power & Comm.	Wired Indep. Power & Comm.	Wireless Indep. Comm.
Platform Type	USB-PDPoEPLCOthers?Various Proprietary	 Various Open & Proprietary Standards (BACnet to Dali) 	ZigbeeIPv6-6LowPanBluetoothWiFiVarious Proprietary

IPv6-6LowPan – A Brief Explanation IEEE 802.15.4

