

The World of Clean Tech
Commercialization Forum
Texas State University

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Abstract

Clean Technologies are a growing and strategically important technology base for the US and the Rest of the World. Clean Technologies or Clean Tech is defined as any technology that reduces the carbon footprint and can range from recycling or eco-cycling to renewable energy to electric vehicles. Significant resources from both the Government and Private Sector are being deployed to develop and commercialize Clean Tech. Major challenges are technology limitations, cost, and widespread acceptance of new technologies. Commercialization of Clean Tech has been both a success and failure which is common for any new technology market or area. Types of skills/capabilities span from Ph'd Materials to develop the new battery technologies to skilled labor in the field for installing PV panels. Successful development and deployment of Clean Tech will have a profound impact on such important factors such as Global Warming. This segment will explore the Clean Tech world and drill down into two diverse market segments: large scale energy storage and advanced drivetrains for vehicles.

Bio:

Dr. Carlos Coe is Founder of Xtreme Power and brings more than 30 years of experience in engineering and technology management in the commercial electronics and power generation and storage industries. Xtreme Power is the global leader in large scale power management and storage and provides solutions that range from renewable integration to micro grids. Previously he has held various leadership positions with Ford & Whirlpool, including serving as Vice President of a \$500M business unit and General Manager of a Chinese joint venture. While at Ford, Dr. Coe provided leadership to multiple operational challenges and new ventures including the development of the PowerCell Technology. Dr. Coe holds ten patents related to batteries and power storage and

is a member of American Wind Energy Association (AWEA), World Energy Engineering Congress (WEEC), ASME, and IEEE. He received his PhD and MA in Engineering from Princeton University, and a BS in Engineering from The Citadel.