













Tim Sasseen

Over 20 years leading engineering teams to bring breakthrough energy technology from the lab to the marketplace in the US, Canada and Europe

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Power Distribution	Power Conversion	Wind Energy	Hydrogen Power	Electric Vehicles
 <p>Director of R&D CleanSpark LLC 2014 - present</p> <p>Restructuring of technology roadmap and business plan</p> <p>Technical research and design validation of commercial scale energy storage technology</p> <p>Test site management</p> <p>Electromechanical simulation and modeling</p> <p>Microgrid power system design and testing</p>  <p>Engineering Co-Op American Electric Power 1990-1992</p> <p>Generator transient analysis</p> <p>Plant automation control</p>	 <p>Power Systems Manager, Program Manager Boulder Wind Power 2012-2014</p> <p>Next generation technology 60kW power converter product program</p> <p>Electromechanical modeling of 3MW permanent magnet generator transient failure</p> <p>Program management for Indian wind turbine manufacturing customer</p>	 <p>VP Engineering Continental Wind Power 2011-2012</p> <p>Development of anew 400kW commercial scale wind turbine, from concept to hardware prototype.</p>  <p>Project Manager Clipper Windpower 2008-2011</p> <p>European market conversion of 2.5MW turbine design</p>  <p>Director of R&D Southwest Windpower 1997 - 2000</p> <p>Concept to production, certification and support of the AIR 404, the best selling residential wind turbine of its time</p>	 <p>Engineering Team Lead Ballard Power Systems 2000-2003, 2006-2008</p> <p>Engineering team lead for engine control software for European bus program, and for fuel cell power plant design for Vancouver 2010 Olympics fuel cell buses</p>  <p>European Field Lead Ballard GmbH 2003-2006</p> <p>In-country field coordination for fuel cell bus program across 7 EU countries, working from Daimler in Germany</p>  <p>Controls Design Consultant Daimler GmbH 2003 - 2006</p> <p>Control system design support for next generation Daimler fuel cell bus project</p>	 <p>Graduate Intern Ford Scientific Research Labs 1992 - 1995</p> <p>Preview control design for electric automotive suspension system for graduate thesis work</p>  <p>Electrical Engineer Nevco Neighborhood Electric Vehicles 1995 - 1997</p> <p>Volunteer electric vehicle design support while employed as Mastering Engineer at Sony Disc Manufacturing</p> 



University of California, San Diego
Rady School of Management



MBA, Focus in Entrepreneurship and Financial Analysis

Fall 2016

- Quantitative Analysis
- Valuation
- Financial Risk Analysis
- Negotiation
- Corporate Finance
- Customer Analytics
- Technology Commercialization
- New Venture Financing



Michigan Technological University

BS, MS Electrical Engineering
Focus in Controls

1993, 1995



The work that is most needed today is the creation of **sound business models** within sustainable energy companies, and of **technically savvy financing** sources that are able to flow money more intelligently, nurturing the strongest solutions, and bridging the gap between concept and commercialization.