

UQM OVERVIEW

UQM Technologies is a developer and manufacturer of power-dense, high-efficiency electric motors, generators, power electronic controllers and fuel cell compressors for the commercial truck, bus, automotive, marine, military and industrial markets.

A major emphasis for UQM is developing propulsion systems for electric, hybrid electric, plug-in hybrid electric and fuel cell electric vehicles. UQM is TS 16949 and ISO 14001 certified and located in Longmont, Colorado.



UQM TECHNOLOGIES HIGHLIGHT

UQM Technologies CEO Interviewed by EnergyTech Investor on the Emerging Opportunities in China.

Please follow the link below to read the full interview:

<https://uqm.com/wp-content/uploads/2016/03/20160308-UQM-EnergyTech-Interview.pdf>

UQM TECHNOLOGIES LATEST NEWS

- ❖ **March 18, 2016** – UQM Technologies CEO Interviewed by EnergyTech Investor on the Emerging Opportunities in China.
- ❖ **March 10, 2016** - UQM Technologies Receives New Follow-On Order From Proterra to Support Increased Demand.
- ❖ **February 17, 2016** - UQM Technologies and New Eagle Announce Collaboration to Provide Full Electric and Hybrid Drive Systems for Commercial, Automotive and Marine Drivetrains.
- ❖ **February 4, 2016** - UQM Technologies Reports Third Quarter Fiscal Year 2016 Revenues Up 59% Over Last Year.

UQM PRODUCTS: UQM POWERPHASE PRO

UQM PowerPhase® Pro systems are intelligently designed for maximum performance and versatility. Providing up to 95 percent efficiencies, these systems consist of a high performance, liquid cooled permanent magnet motor and a high-power, liquid-cooled inverter with a full-featured digital signal processor controller.

Application Types:

Automotive, lightweight commercial, marine, military and industrial vehicles.

Facility Features:

56,000 system per year capacity, ISO/TS 16949 certified, full system validation and testing capabilities.



PowerPhase® Pro 100

- 300 Nm peak torque
- 100 kW peak, 60 kW continuous motor power
- Full power from 270 to 425 VDC input
- Maximum speed full performance 7,700 RPM

Sample UQM Product

PROTERRA ZERO-EMISSION BUSES COMPLETE TWO MILLION MILES OF SERVICE, 3/11//2016

http://www.oemoffhighway.com/press_release/12180577/protterra-zero-emission-buses-complete-two-million-miles-of-service

Protterra Inc., announced that its national fleet has surpassed 2 million miles of revenue service, providing communities coast to coast with clean, quiet transportation. With 63 buses on the road today in Texas, California, Massachusetts, Nevada, Kentucky, Tennessee, Florida, South Carolina and Washington. Protterra is ramping up production in 2016 to meet the market's growing need for clean, quiet, efficient transit solutions. In aggregate, Protterra has saved transit agencies across North America over 420,000 gallons in fuel and prevented more than 7.6 million pounds of CO2 emissions...

PROTERRA BUS CO. PROVIDING TOURS OF THEIR 100% ELECTRIC 40 FOOT BUS, 3/8/2016

<http://vtdigger.org/2016/03/09/protterra-bus-co-providing-tours-of-their-100-electric-40-foot-bus-this-week/>

On Thursday (3/10) and (Friday, 3/11), Protterra, brought their 100 percent electric powered transit bus to Vermont. Vermont officials are considering a number of different options to reduce the environmental and economic costs of transportation in the state. Transitioning transit buses to all-electric technology is one such option, which provides a huge opportunity to reduce greenhouse gas emissions, fossil fuel consumption, and operational costs.....

CHINA IS EXPECTED TO ACCOUNT FOR MORE THAN 50% OF THE GLOBAL ELECTRIC BUS MARKET BY 2020, 3/10/2016

<http://www.ksla.com/story/31442631/china-is-expected-to-account-for-more-than-50-of-the-global-electric-bus-market-by-2020-ps-market-research>

The global electric bus market accounted for volume sales of 14,963 units in 2014. It is expected to grow with a CAGR of 19.6% during the period 2015 – 2020. The parallel hybrid electric bus is expected to be the largest segment (43% share) of the global electric bus market in 2020. The Chinese electric bus market is expected to grow significantly during the forecast period, owing to the surging urbanization and development of many newly built advanced public transit systems in the smart cities of China. By 2020, China is expected to account for more than 50% of the global electric bus market...



ELECTRIC VEHICLE CHARGER GLOBAL MARKET 2016 TO 2020, 3/15/2016

http://www.newsmaker.com.au/news/43550/electric-vehicle-charger-global-market-2016-to-2020#.VugYo_krJhE

This global market research report provides a comprehensive analysis of the electric vehicle charger market by end-user (commercial and residential) and by type (AC, DC, wireless). It outlines the market shares for key regions such as the Americas, APAC, and Europe. The prominent vendors analyzed in this report are ABB, Leviton, Plugin Now, Evatran (Plugless), and Siemens...

YUTONG NEW ENERGY BUSES MAKE THEIR DEBUT AT 2016 NPC AND CPPCC SESSIONS, 3/14/2016

http://www.chinabuses.org/news/2016/0314/article_9333.html

According to 2025 Made-in-China Initiative, China aims to reach an annual sales volume of three million new energy buses, which are internationally competitive. In the meantime, the percentage of new energy buses is expected to rise to over 80% in the domestic market at that time. Besides, in CPC Central Committee's Recommendations for the Thirteenth Five-Year Plan for National Economic and Social Development, the promotion of new energy vehicles was put high on the agenda. Given above, it is not hard to conclude that new energy vehicles are expected to become the new pillar for the national economic growth in the near future...

BEIJING'S CLEAN ENERGY BUSES DRIVE FOR CLEANER AIR, 3/11/2016

<http://www.cctv-america.com/2016/03/11/beijings-clean-energy-buses-drive-for-cleaner-air>

During last year's Political Season, President Xi said protecting the environment was like caring for "one's own eyes and life". A year later, air quality remains Beijing's top priority. Among innovations, a clean-energy vehicle scheme is under way. The Division of Electric Buses of Beijing's Public Transport Group runs all the no-track electric buses in the city. It owns about 300 of them, but this only makes up a small fraction of the total buses in Beijing. The core difference between new electric buses and conventional ones lies in the battery. For the green buses, it usually takes 20 minutes for a full charge. There's another group of electric buses with the old type battery, which needs two hours...

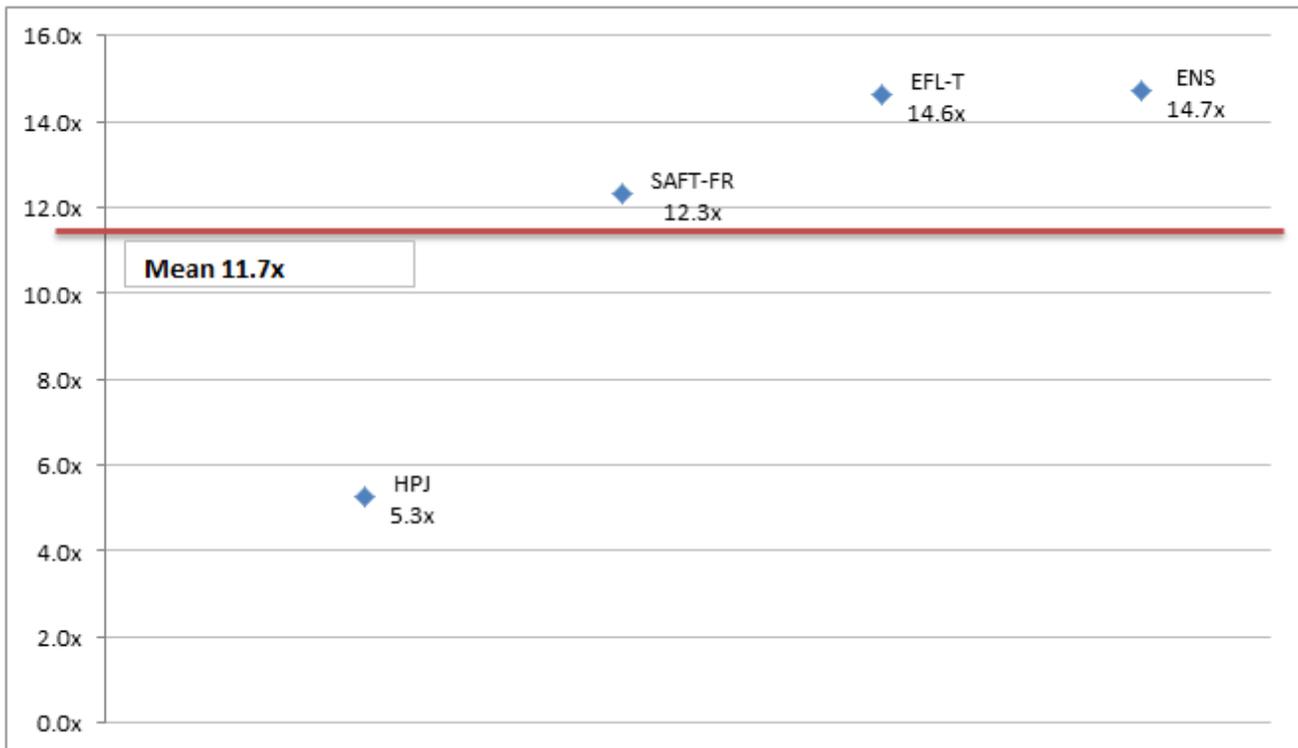


ETI CLEAN TRANSPORTATION INDEX- COMP TABLE

Company	Ticker	Price	Market Cap (\$M)	Enterprise Value (\$M)	TTM EBITDA (\$M)	EV/EBITDA	Dividend Yield (%)	FY14 Revenue	FY15 Revenue	FY16 Revenue	EV/Rev FY14	EV/Rev FY15	EV/Rev FY16	FY14 EPS	FY15 EPS	FY16 EPS	P/E FY14	P/E FY15	P/E FY16
Sector: Clean Transportation																			
Advanced Battery	ABAT	\$0.04	3.1	-\$71	\$47	-1.5x	N/A	N/A	N/A	N/A	N.A	N.A	N.A	N/A	N/A	N/A	N.A	N.A	N.A
Afc Energy	AFC-LN	\$15.25	48.5	\$43	-\$2	-23.8x	N/A	\$3.6	\$1.7	\$3.6	12.0x	25.4x	12.0x	(\$1.80)	(\$0.90)	(\$1.80)	N.M.	N.M.	N.M.
Altair Nano	ALTI	\$0.45	5.2	\$13	-\$13	-1.0x	N/A	N/A	N/A	N/A	N.A	N.A	N.A	N/A	N/A	N/A	N.A	N.A	N.A
Bak	CBAK	\$2.50	42.9	\$55	-\$5	N/A	N/A	N/A	N/A	N/A	N.A	N.A	N.A	N/A	N/A	N/A	N.A	N.A	N.A
Clean Diesel	CDTI	\$0.74	13.2	\$21	-\$10	-2.1x	N/A	\$43.8	\$40.3	\$40.5	0.5x	0.5x	0.5x	(\$0.70)	(\$0.70)	(\$0.40)	N.M.	N.M.	N.M.
Clean EnergyFuel	CLNE	\$3.02	294.0	\$746	\$12	61.3x	N/A	\$406.5	\$372.4	\$393.3	1.8x	2.0x	1.9x	(\$1.07)	(\$1.02)	(\$0.57)	N.M.	N.M.	N.M.
Electrovaya	EFL-T	\$1.11	90.0	\$72	\$3	23.6x	N/A	\$15.0	\$42.9	\$44.4	4.8x	1.7x	1.6x	\$0.01	\$1.20	\$0.08	N.M.	0.9x	13.9x
Energysys	ENS	\$57.23	2485.8	\$2,800	\$319	8.8x	1.0%	\$2,466.9	\$2,509.9	\$2,297.5	1.1x	1.1x	1.2x	\$3.89	\$4.31	\$3.89	14.7x	13.3x	14.7x
Fuel Systems	FSYS	\$6.29	113.8	\$53	-\$13	-4.1x	N/A	\$328.7	\$262.1	\$286.8	0.2x	0.2x	0.2x	(\$0.52)	(\$2.29)	(\$0.18)	N.M.	N.M.	N.M.
Highpower	HPJ	\$2.39	36.1	\$81	\$7	12.2x	N/A	\$152.0	\$160.4	\$181.3	0.5x	0.5x	0.4x	\$0.24	\$0.32	\$0.52	10.0x	7.5x	4.6x
Ibm Power	ITM-LN	\$13.25	29.8	\$26	-\$5	-5.6x	N/A	\$7.0	\$6.2	\$2.1	3.7x	4.2x	12.4x	(\$1.65)	(\$2.43)	(\$1.90)	N.M.	N.M.	N.M.
Maxwell Tech	MXWL	\$6.07	193.3	\$169	-\$3	-59.1x	N/A	\$184.2	\$166.4	\$156.5	0.9x	1.0x	1.1x	(\$0.15)	(\$0.65)	(\$0.38)	N.M.	N.M.	N.M.
Quantum Fuel Sys	QTWW	\$0.37	10.4	\$22	-\$13	-1.7x	N/A	\$31.4	\$38.9	\$42.9	0.7x	0.6x	0.5x	(\$0.58)	(\$0.56)	(\$0.33)	N.M.	N.M.	N.M.
Saft Groupe	SAFT-F	\$27.38	686.6	\$754	\$110	6.9x	3.4%	\$676.7	\$752.3	\$783.6	1.1x	1.0x	1.0x	\$1.79	\$1.86	\$2.16	15.3x	14.8x	12.7x
Tesla	TSLA	\$226.38	29894.9	\$31,414	-\$294	-106.8x	N/A	\$3,696.6	\$5,357.5	\$8,570.9	8.5x	5.9x	3.7x	\$0.57	(\$1.26)	\$1.33	N.M.	N.M.	N.M.
T3 Motion	TTM	\$0.04	0.8	\$6	-\$4	-1.3x	N/A	N/A	N/A	N/A	N.A	N.A	N.A	N/A	N/A	N/A	N.A	N.A	N.A
UltraLife	ULBI	\$5.18	79.4	\$65	\$6	10.7x	N/A	N/A	N/A	N/A	N.A	N.A	N.A	\$0.06	\$0.20	N/A	86.3x	25.9x	N.A
Uqm Tech	UQM	\$0.59	28.5	\$20	-\$7	-2.8x	N/A	\$12.5	\$4.6	\$6.0	1.6x	4.3x	3.3x	(\$0.14)	(\$0.14)	(\$0.17)	N.M.	N.M.	N.M.
Westport	WPRT	\$3.01	252.8	\$219	-\$103	-2.1x	N/A	\$133.2	\$110.5	\$138.7	1.6x	2.0x	1.6x	(\$1.76)	(\$1.44)	(\$0.85)	N.M.	N.M.	N.M.
Average											2.8x	3.6x	3.0x				31.6x	12.5x	11.5x

Source: Thomson Reuters, The EnergyTech Investor

ETI CLEAN TRANSPORTATION INDEX- P/E BASED ON NTM CONSENSUS ESTIMATES



Source: Thomson Reuters, The EnergyTech Investor



UQM TECHNOLOGIES RECEIVES NEW FOLLOW-ON ORDER FROM PROTERRA TO SUPPORT INCREASED DEMAND, 3/10/2016

UQM Technologies Inc. announced the receipt of a new order from Proterra for PowerPhase HD® electric drive systems to be completed and shipped before the end of 2016.

Proterra will nearly double its production capacity in 2016 as an increasing number of transit agencies see zero-emission buses as a credible and proven alternative to diesel, CNG, and hybrid buses. With active fleets and more than 60 buses on the road today in Texas, California, Massachusetts, Nevada, Kentucky, Tennessee, Florida, South Carolina and Washington, Proterra's production ramp is designed to meet the growing demand for emission-free transportation across the country.

Ryan Popple, CEO of Proterra said, "This achievement marks an important step for Proterra as a company, and UQM has been a tremendous support as a partner in reaching this milestone. With UQM's industry leading electric drive technology and the hard work of both teams, we are closer to reaching the economic, environmental and civic value of electric mass transit. It demonstrates to the transit agencies that diesel – often viewed as a necessary evil – is no longer necessary. Proterra powered by UQM is the best transit technology on the road today."

ABOUT PROTERRA

Proterra is a leader in the design and manufacture of zero-emission vehicles that enable bus fleet operators to significantly reduce operating costs while delivering clean, quiet transportation to the community. Proterra has sold more than 122 vehicles to 15 different transit agencies throughout North America. Proterra's configurable EV platform, battery and charging options make its buses well-suited for a wide range of transit and campus routes. With unmatched durability and energy efficiency based on rigorous U.S. certification testing, Proterra products are proudly designed, engineered and manufactured in America, with offices in Silicon Valley and South Carolina. For more information visit: <http://www.proterra.com/> and follow us on Twitter @Proterra_Inc.



FOR MORE INFORMATION, PLEASE VISIT:

WWW.UQM.COM

SHAWN SEVERSON

CEO AND EDITOR-IN-CHIEF

Mr. Severson founded EnergyTech Investor in 2015 after seeing a significant communication and information gap developing between small and micro-cap companies and the financial community. Mr. Severson has over 20 years of experience as a senior research analyst covering the technology and cleantech industries and is currently a Managing Director at the Blueshirt Group where he is the head of the Energy, Environmental and Industrial Technologies practice. The Blueshirt Group is a leading Investor Relations consulting firm focused on growth companies. Previously, Mr. Severson was at JMP Securities where he was a Senior Equity Research Analyst and Managing Director of the firm's Energy, Environmental & Industrial Technologies research team. Prior to JMP, he held senior positions at ThinkEquity, Robert W. Baird (London) and Raymond James. He began his career as an Equity Research Associate at Kemper Securities. He was frequently ranked as a top research analyst including one of the Wall Street Journal's "Best on the Street" stock pickers and multiple awards as Starmine's top three stock pickers.



DISCLOSURE

EnergyTech Investor is an independent research and publishing organization, not a licensed broker, broker dealer, market maker, investment banker, or underwriter. This report is published solely for informational purposes and is not to be construed as an offer to sell or the solicitation of an offer to buy any security in any state. This is not a complete analysis of every material fact regarding any company, industry or security.

The articles herein are either directly related to EnergyTech Investor or contain information about the current climate of the industries that affect the Company. They are available in the public domain and are provided for your convenience and informational purpose only. The majority of these articles are not under EnergyTech Investor's control and if you decide to access such an article through our website, you do so entirely at your own risk.

EnergyTech Investor assumes no responsibility for the accuracy of the information contained in those articles and the fact that we provide access to those articles does not mean that we endorse, authorize or sponsor any of the information or conclusions set out in such articles or that we are affiliated with the author or publisher of any such articles.

We may distribute our report through other organizations or companies. In some instances, we may be compensated by Companies mentioned in the report. Additionally, we may perform consulting or advisory services for Companies for which we produce and publish research for.



research@energytechinvestor.com