



Lazy Portfolio Center. Visit Now

More

Enter Symbol(s) or Keyword(s)

Welcome, please [sign in](#).
My Portfolio • Community • VSE • Alerts

FRONT PAGE **NEWS & COMMENTARY**

Columnists First Take Special Reports Blogs Podcasts Industry News Economy & Politics Newsletters Obama's Challenge

LATEST NEWS [\[MRVL\]](#) Marvell Technology Q4 revenue \$512.9 mln vs \$844.7 mln

PRESS RELEASE

ColdQuanta Joins 8th Continent Incubator Ultracold Technology Holds Laser-Like Promise

Last update: 8:00 a.m. EST March 5, 2009



GOLDEN, Colo., Mar 05, 2009 (BUSINESS WIRE) -- Today's attempts to unlock the power behind ultracold atoms have the same potential as laser technology did in the early '60s that spawned thousands of applications and

new businesses. ColdQuanta, a University of Colorado startup company and now a member of the Colorado School of Mines' 8th Continent Aerospace Business Incubator, is selling the world's first commercial device to produce ultracold atoms.

"When atoms are cooled to just above absolute zero degrees Kelvin (-460 degF), a state of frictionless matter known as Bose-Einstein Condensate (BEC) is created that can be used to dramatically increase the performance of devices such as gyroscopes, accelerometers, gravimeters and magnetometers," said ColdQuanta President Rainer Kunz. "Ultracold atoms have disruptive implications for industrial applications ranging from spacecraft and submarine navigation, to geology and healthcare."

Research is in full swing at dozens of world-class laboratories to deliver BEC breakthroughs. ColdQuanta's founders - Mr. Kunz, Professors Dana Anderson, Jakob Reichel and Nobel Laureate Ted Hansch - created ColdQuanta to commercialize ultracold and BEC devices that will facilitate the production of BEC and development of applications. The first device released by the company, the RuBECi(TM) developed by Dr. Anderson and his team, cuts researchers' time and costs by more than half when producing BEC. Two of the RuBECi(TM) Ultracold Matter Cells have been sold already, one to a federal research lab and the other to the University of Rochester, one of the world's leading centers for optical research.

The theory was first proposed by Satyendra Bose and extended by Albert Einstein in the mid 1920s. But the actual production of ultracold atoms was not achieved until 1995 when University of Colorado scientists Eric Cornell and Carl Wieman produced the first gaseous condensate, resulting in a 2001 Nobel Prize in Physics.

"With potential uses as varied and commonplace as today's laser, the business potential for BEC is overwhelming," said 8th Continent Project Director Burke Fort. "Facilitating the commercialization of this technology by supporting ColdQuanta is what the 8th Continent Project is all about."

"Today, ColdQuanta offers the elementary tool to develop applications that we know will have a profound affect on many different industries," said Eric Gricus, who was recently appointed Space Program Manager for the 8th Continent Aerospace Business Incubator. "The 8th Continent Incubator will help ColdQuanta to accelerate these opportunities by facilitating customer, partner and investor relationships, and by establishing connections with advisors and service providers."

The 8th Continent Aerospace Business Incubator is supported by a grant from the Colorado Office of Economic Development and International trade matched by the Colorado School of Mines, the law firm Townsend and Townsend and Crew, and Metzger Associates Media Relations. Incubator management and advisory services are sourced through the Boulder Innovation Center (BIC) and include access to BIC's and 8th Continent's Funding Network partners Rocky Mountain Venture Capital Association, the Keiretsu Forum, Rockies Venture Club, TechStars and individual investors.

About the 8th Continent Project

The Hulbert Financial Digest
from MarketWatch

FOR OVER 25 YEARS,
WE'VE HELPED
INVESTORS MAXIMIZE
THEIR RETURNS BY
RATING OVER
180 INVESTMENT
NEWSLETTERS.



MarketWatch, Inc. is not a registered investment advisor and does not provide any individualized advice. Future accuracy and profitable results cannot be guaranteed.

Tech Daily E-newsletter



A daily round-up of the leading technology news.

[Privacy policy](#)

MOST POPULAR

READ E-MAILED EDITOR'S PICK

1. [GM, auditor express doubts over survival; shares skid below \\$2](#)
2. [Veteran bear says the end is nigh - and that's good](#)
3. [U.S. futures slip after China disappointment, GM warning](#)
4. [Citigroup, B. of A. are sliding toward oblivion](#)
5. [Reporter's Notebook: Plenty of hybrids at AutoNation](#)
6. [Expert to investors: mark-to-market rule not the problem](#)
7. [Citigroup pushed below a buck a share in latest sell-off](#)
8. [Citi falls below a buck a share](#)
9. [Thursday's biggest gaining and declining stocks](#)
10. [Citigroup shares touch \\$1 for first time ever](#)

[Get the Latest MarketWatch News >>](#)

PARTNER CENTER



Switch to Scottrade, get up to \$100 back



Get 100 Free Trades. E*TRADE Securities.

Based in Golden, the Colorado School of Mines' 8th Continent Project is the world's most comprehensive effort to integrate space technology and resources into the global economy. 8th Continent provides the infrastructure and resources to solve a wide range of challenges from global warming to renewable energy development. Located in the home of the most concentrated entrepreneurial, investor and aerospace talent in the world, 8th Continent brings space down to earth with the industry's first trade association, incubator, funding network and research hub, all working together to develop the next generation of space business ventures. More information can be found at www.8cproject.com.

About ColdQuanta, Inc.

ColdQuanta's mission is to focus on the development of BEC-generating devices and systems, making them accessible to a wide range of research, educational and industrial institutions. The release of ColdQuanta's RuBECi(TM) will enable the company to pursue its strategy of cultivating and expanding the development and markets of new applications for ultracold atoms and BEC technology. For more information, please go to www.coldquanta.com.

SOURCE: 8th Continent Project

8th Continent Project
 Burke Fort, 512-965-2127 (cell)
burke.fort@8cproject.com
 or
 John Metzger, 303-641-1062 (cell)
john@metzger.com
 or
 Seema Hess, 303-440-1284
seema@coldquanta.com

Copyright Business Wire 2009 ■



Sponsored Links

Jefferson Business Center

One Stop Shop 4 FedEx-shipping-packaging-warehouse-storage-logistics
www.jeffersonabc.com

DFDS Seaways Online

Take your car by cruise ferry to Scandinavia, Holland.
www.dfds.co.uk

Hartford Auto Insurance

New Low Rates, Save An Avg \$484* w/ The Hartford. Free Online Quotes.
TheHartfordAuto.com

Top stories

- 3:33 PM today [Expert to investors: mark-to-market rule not the problem](#)
- 12:05 PM today [Citigroup pushed below a buck a share in latest sell-off](#)
- 2:11 PM today [Reporter's Notebook: Plenty of hybrids at AutoNation](#)

[Site Index](#) | [Topics](#) | [Archive](#) | [Help](#) | [Feedback](#) | [Media Archive](#) | [Premium Products](#) | [Mobile](#) | [RSS](#) | [Podcasts](#) | [Company Info](#) | [Advertising Media Kit](#) | [License our Content](#)

The Wall Street Journal Digital Network:

[WSJ.com](#) | [Barron's Online](#) | [BigCharts](#) | [Virtual Stock Exchange](#) | [All Things Digital](#) | [MarketWatch Community](#)
[RealEstateJournal.com](#) | [Financial News Online](#) | [WSJ.com Small Business](#) | [FiLife - Personal Finance](#)

MarketWatch

Copyright © 2009 MarketWatch, Inc. All rights reserved.
 By using this site, you agree to the [Terms of Use](#) and [Privacy Policy](#).
 MarketWatch.com: [Stock Market Quotes](#) - [Business News](#) - [Financial News](#)

Intraday data provided by [Interactive Data Real Time Services](#), a division of Interactive Data Corp. and subject to [terms of use](#). Historical and current end-of-day data provided by [Interactive Data Pricing and Reference Data](#). More information on [NASDAQ traded symbols](#) and their current financial status. Intraday data delayed 15 minutes for Nasdaq, and 20 minutes for other exchanges. Dow Jones Indexes(SM) from Dow Jones & Company, Inc. SEHK intraday data is provided by Comstock and is at least 60-minutes delayed. All quotes are in local exchange time. Real-time last sale data provided by NASDAQ.



Free 30-Day Trial.
Click Here.



Trade free for 30 days
at TD AMERITRADE.

Get
\$7
 Online Trades
 Start Now >>
 Scottrade