

"PES Network, Inc: Promoting cutting-edge, clean energy technologies"



Home PESN News PESWiki Directory NEC Projects Radio Newsletter Store Submit

Top 5 Exotic Technologies



twitter Ads by Google Test Engineer Raven Test Test IQ Test



Features:

- [WITTS Water Powered Car Video Posted](#)
- [Creative Energy System's Duel Fuel System](#)
- [Meltdown Solution: Corporations Need a Conscience](#)
- [Philippine DOE Report on Aviso's Overunity EV Posted](#)
- [Cheap power: An overnight revolution -- Commentary](#)

STAGE 2 INNOVATIONS **\$100 Million** for NEW & BIG Technology SUBMIT

SOLAR power your HOME **\$89** per mo click here

FreeCleanSolar

"Free Energy"

http://pesn.com/2011/10/28/9501940_1_MW_E-Cat_Test_Successful/

You are here: PureEnergySystems.com > [News](#) > October 28, 2011

News XML

- [About](#)
- [Daily FE News](#)
- [Features](#)
- [PESN Specials](#)
- [Free Energy Now](#)
- [This Week in FE](#)
- [Newsletter](#)
- [Submit](#)

YAHOO!

BABEL FISH

Choose a language to translate this page!

Select to language

Directory

Energy Topics

- [Alt Fuels](#)
- [Anti-Gravity](#)
- [Batteries](#)
- [Betavoltaic](#)
- [Biofuels](#)
- [BioDiesel](#)
- [BioElectricity](#)
- [Biomass](#)
- [Body Electric](#)
- [Brown's Gas](#)
- [Cold Fusion](#)
- [Conservation](#)
- [Electrolysis](#)
- [Electromagnetic OU](#)
- [Fuel Cells](#)
- [Fuel Efficiency](#)
- [Electric Vehicles](#)
- [Engines](#)
- [Hydroxy](#)
- [Fusion](#)
- [Geothermal](#)
- [Gravity Motors](#)
- [Human Powered](#)
- [Hydro](#)

1 MW E-Cat Cold Fusion Device Test Successful

On October 28, 2011, Andrea Rossi demonstrated his 1 megawatt E-Cat system to his first customer, who had engineers/scientists on hand to test/validate its performance. Due to a glitch, it provided 470 kW of continuous power for 5.5 hours during the self-sustained mode.

By [Sterling D. Allan](#) (who was present), with [Hank Mills](#)

Pure Energy Systems News

Well, the big day has come and gone. Andrea Rossi's one-megawatt-capable [E-Cat](#) cold fusion device has been tested in Bologna, Italy; and the unknown customer, who ran the test, is apparently happy.

There were some issues, so it couldn't be run at full power in self-looped mode, but what it did do was plenty impressive.

It ran for 5.5 hours producing 470 kW, while in self-looped mode. That means no substantial external energy was required to make it run, because it kept itself running, even while producing an excess of nearly half a megawatt. Rossi explained the reasons for this in the presentation he gave, which I videotaped and will be posting later.

That's half the rated capacity, but it is still a major accomplishment for the device that was completed earlier this week -- the first of its kind on the planet.

Early in the day with a glitch showing up, Rossi said that they had to make a decision about whether to go for 1 MW output, not in self-sustain mode, or with self-sustain mode at a lower power level. The customer opted to go for the self-sustain mode. Nothing was said about the prospects of a follow-up test, though I would imagine that the customer will be running



Here I am with Andrea Ross after the test of the 1 MW E-Cat plant in the background.

ClearEdge5

11x more productive than solar

Learn more >>



Bestsellers

ScanGauge II



3-in-1 Auto Comp Scan Gauge

Plugs in dashboard instant mpg and o performance dat

ClearEdge power

11x more productive than solar

Learn more >>



- [Hydrogen](#)
- [Joe Cells](#)
- [Lighting](#)
- [Magnet Motors](#)
- [Nanotechnology](#)
- [Nuclear](#)
- [Nucl. Remediation](#)
- [Oil](#)
- [Piezoelectric](#)
- [Plasma](#)
- [River](#)
- [Salt Water Mix](#)
- [Solar](#)
- [Solid State Gen.](#)
- [Tesla Turbines](#)
- [Thermal Electric](#)
- [Tidal](#)
- [Vortex](#)
- [Waste to Energy](#)
- [Water](#)
- [Water as Fuel](#)
- [Wave](#)
- [Wind](#)
- [Wireless Electricity](#)
- [Zero Point Energy](#)
- [MORE ...](#)

Open Source

- [Freddy's Cell](#)
- [Bedini SG](#)
- [Safe Haven Villages](#)
- [MORE ...](#)

Resources

- [Awards](#)
- [Conservation](#)
- [Conspiracy](#)
- [Directories](#)
- [Investment](#)
- [Kudos](#)
- [Legal](#)
- [Organizations](#)
- [Plastic and Energy](#)
- [Quotes](#)
- [Recycling](#)
- [Suppression](#)
- [Tools](#)
- [Trends](#)
- [MORE ...](#)

Mingling

- [OverUnity Forum](#)
- [Employment](#)
- [Events](#)
- [Humor](#)
- [Magazines](#)
- [Movies](#)
- [Newsletters](#)
- [Discuss. Groups](#)

Shopping

- [Store](#)
- [Buyer Beware](#)
- [Donate](#)
- [Contact](#)

many tests to understand this gadget they have purchased, and that information will be conveyed to Rossi.

When I asked him during the Q&A session if the customer was satisfied with the test, Rossi responded, "Yes, I think they are satisfied."

Here is a brief [video](#) excerpt highlight from Rossi during his 1-hour reading of the public report from the customer, followed by a question and answer session. I recorded the entire presentation, and we'll post that tomorrow, hopefully along with a transcription. Half the time was in Italian, as he would address each item in Italian as well as English.

In this excerpt, Rossi responds to the question, "So, is this a breakthrough?"

Here's a transcription of the excerpt video:

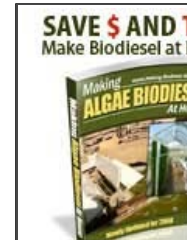
Mister Sonya has asked me if I think that the test of today is a breakthrough. I think yes, because I think today we have seen enough. No more small five or ten kilowatt units, but now we have overcome the [cannot understand]... disconnected. The basic engineering to make something that....

You know, to go in self sustain mode and make 400 [actually 470] kilowatt hours per hour... To understand that this is a breakthrough...

You can also think that hundreds of millions of dollars have been spent to try to have a COP of 1.1 with nuclear fusion. Today we have made a theoretically endless COP making 470 kilowatt hour per hour of completely free energy, free of fuel. Yes, I think this is a breakthrough.

Of course this is the first step, but it is a very important first step....

Early this year Andrea Rossi announced his plans to construct and test the world's first one megawatt cold fusion plant. The plant would utilize his E-Cat (Energy Catalyzer) technology that utilizes tiny quantities of nickel powder and hydrogen gas as fuel, while producing large amounts of energy in the form of heat. Importantly, the energy is produced without emitting any pollution, utilizing any radioactive materials, or producing any nuclear waste. Simply put, the E-Cat offers the world a source of cheap, safe, and clean



Global Sun Ov



Mention PESN and get 1



- Cold Fusion Nex
- o Kalte Fusion
- o Fusion Froide
- o Fusion Fria
- o Fusione Fredda
- RC Helicopters & T
- Solar Energy Soluti

Free Energy St

* * * * *

Your Ad Her



energy. Although the exact plans for the launch of the technology were adjusted a few times throughout the course of this year, October 28th, 2011 was settled on for the date of the official test of the one megawatt plant by the first customer.

These first plants will cost around \$2,000 per kilowatt to build one at a time, but once they are mass produced, Rossi expects the price to drop to around \$100 per kilowatt installed.

Attendance at this test was limited for several reasons. First, the customer does not wish to be known at this time, nor to have its test engineers/scientists identified. I did not inadvertently discover the customer's identify, nor did I try to find out. I gave that group their space and did not probe. Second, the device is a nuclear device, and the regulations for a public demonstration are extremely stringent; so by making the event private, and only bringing one or two at a time to see it was a way to get around the safety requirements.

Most of us (around 30 guests total) arrived between 9 and 10 am; and by around 11 am, Rossi began taking people back to see the device while it was in operation, in self-sustained mode. Here's a [video](#) I shot, with Rossi's permission, during my 2-3 minute chance to see the unit during operation:

Power for start-up (resistive coils that provided heat to the reaction chambers) was provided by the large and loud genset (was making all the noise) you see that is nearly as large as the small shipping container in which the 1 MW E-Cat plant was arranged. Once the reaction chambers got up to temperature, they were maintained by the heat produced by the reaction. I'm not sure why they kept the generator running after that, but I would guess it was for back-up or safety. I'm sure the engineers testing the system made sure what the power levels were at all times.

There were 100 E-Cat modules, each with 3 reaction chambers in them, for a total of 300 reaction chambers. An additional 20 or so units had been installed on the top of the shipping container, compared to the earlier photos and videos we had seen. Steam was produced by the units and exited through the back in the bottom of the two pipes. The steam was not put to use to run a load but the heat was dumped via two radiators, distilled, and circulated back into the system. When looking inside the plant, I noticed that one of the E-Cat units had a little steam escaping from the front of it.

The top pipe in the back, which was closed, was for emergency cool-down, if needed.

Each unit was run independently through a computerized control. The input and output



A neighboring facility, coincidentally, is named "Rossi", which is a common name in Italy.



temperature readings were recorded by computer, and the data will be provided to us probably later this evening or tomorrow morning. When I went by there, I think the input was measuring 19 C, and the output was 109 C.

Radiation measurements were taken by Dr. Bianchini David, from the University of Bologna. He said no extraneous radiation was detected at any time emanating from the reaction chambers, or from the piping, or from the water tanks, or in the vicinity of the apparatus. Apparently, gamma radiation is produced during the reaction, which is shielded by water, iron, lead, and a final coating on the apparatus. David said that he has not measured gamma radiation from the device, because he has not had access to the reaction chamber while it has been unshielded.

None of the units were taken apart following this test, as was the one back on the October 6 test. I asked Rossi whether any radio frequencies were used in the test, and he said "no".

I would estimate that there were about 12 people assisting with the test arrangement, including: 3-4 security guards, 1 caterer, 2 receptionists who checked to make sure everyone was invited and wore the required badges, 3-4 engineers helping take measurements, Foccardi was helping take guests 1-2 at a time back to see the unit.

I especially enjoyed mingling with the other guests, including: Mats Lewan from NyTeknik; Irene Zreick from Focus.it; Peter Svensson, Technology Writer for the Associated Press, NY, who told me that the reason the mainstream press hasn't been covering this is because Rossi has been very picky about who he lets in; Enrico Billi, a nuclear physicist and friend of Rossi's, who is presently living in China and helping to open doors there for this technology; Professor Christos Stremmenos, from the University of Bologna, who told me all about his theory of how the technology works; Pierre Clauzon, nuclear engineering professor from France, who told me about several theoretical physicists trying to understand cold fusion in general and the E-Cat in particular; Uzikova Irina, a nuclear plant designer from Russia; Stefan Heglesson, representing a Swedish interest in the technology; Loris Ferrari, Associate Professor of Condensed Matter Physics from the University of Bologna, who will be one of the five professors to do the two year test of the E-Cat, which hopefully will be funded as a result of today's test. They will study both the "how" and the "why" of the technology.

[Mats](#) and I agreed to post our stories at the same time. Peter was going to go first, having been given an exclusive by Rossi, but it's going to be a few days before he gets the necessary info and editorial approvals before he's able to run a story in the Associated Press.

Probably the biggest opening for skeptics will be the continually running genset that is probably rated for 500 kW (my guess), and appears to have been connected by cables to the E-Cat. "Where's the mystery?" So knock yourselves out, skeptics. It's the customer who has to be happy, and apparently this one was satisfied that those cables were not contributing to the 470 kW output during self-sustaining mode.

Here's a [video](#) where Rossi talks to us briefly following the test, saying that a report will come shortly; and giving us the reason for why we couldn't go back during the test except 1-2 at a time.



Here I am with Mats Lewan and other Swedish associates.



Here I am with Peter Svensson from the AP



Professor Levi, who was Rossi's right-hand man today, will be heading the Bologna research on the E-Cat.

And here's a [video](#) of a couple of 1 MW generators that were in the room where we were hanging out, which were from an earlier project Rossi was involved with, running on biofuel.

###

Links

- [News:October 28, 2011 Test of the One Megawatt E-Cat](#) (Our index page at PESWiki)
- http://www.nyteknik.se/nyheter/energi_miljo/energi/article3303682.ece - Mat Lewans' story

What You Can Do

1. Pass this on to your friends and favorite news sources.
2. Join the [H-Ni Fusion](#) technical discussion group to explore the details of the technology.
3. Once available, purchase a unit and/or encourage others who are able, to do so.
4. Let professionals in the renewable energy sector know about the promise of this technology.
5. Subscribe to our [newsletter](#) to stay abreast of the latest, greatest developments in the free energy sector.
6. Consider investing in Rossi's group once they open to that in October.
7. Help us manage the [PESWiki feature page](#) on Rossi's technology.

PESN Coverage of E-Cat

For a more exhaustive listing, see http://PESWiki.com/index.php/News:Rossi_Cold_Fusion

- [Cheap power: An overnight revolution -- Commentary](#) (*PESN*; October 16, 2011)
- [Rossi Answers Questions on the E-Cat](#) (*PESN*; October 11, 2011)
- [Cold Fusion E-Cat Case Design Competition](#) (*PESWiki*; October 10, 2011)
- [E-Cat Test Validates Cold Fusion Despite Challenges](#) (*PESN*; October 8, 2011)
- [Photos of the October 6, 2011 E-Cat Test](#) (*PESWiki*; October 5, 2011)
- [Real-Time Updates on the October 6, 2011 E-Cat Test](#) (*PESWiki*; October 5, 2011)
- [Scientists to Test Cold Fusion E-Cat](#) (*PESN*; Sept. 26, 2011)
- [Rossi's Home Sacrificed For Cold Fusion E-Cat Launch](#) (*PESN*; Sept. 21, 2011)
- [The Ultimate Ni-H Cold Fusion E-Cat Test](#) (*PESN*; Sept. 16, 2011)
- [Rossi's 1 MW Cold Fusion E-Cat Reactor Photos and Video Posted](#) (*PESN*; Sept. 14, 2011)
- [More Uncertainty as Ni-H Cold Fusion Launches Near](#) - NASA (*PESN*; Sept. 6, 2011)
- [>> Rossi-Defkalion Split Controversy - index of articles](#) (*PESN*; Aug. 7,8, 2011)
- [E-Cat Competitors Revealed During Viareggio Conference](#) (*PESN*; July 25, 2011)
- [Rossi's Self Sustaining One Megawatt Reactor](#) (*PESN*; July 21, 2011)
- [E-Cat News Coming Fast and Furious](#) (*PESN*; July 14, 2011)
- [EV World Interviews Andrea Rossi](#) (*PESN*; July 14, 2011)
- [Hitler Panics Over Rossi's Energy Catalyzer](#) (*PESN*; July 5, 2011)
- [Cheap Cold Fusion to Save World Billions](#) (*PESN*; July 3, 2011)
- [Defkalion Press Conference Reveals E-Cat Rollout Plans](#) (*PESN*; June 25, 2011)
- [A Nobel Laureate speaks out on the Energy Catalyzer](#) (*PESN*; June 23, 2011)
- [Rossi Explains E-Cat Setup in New Video](#) (*PESN*; June 21, 2011)
- [Defkalion Announces Energy Catalyzer Press Conference](#) (*PESN*; June 17, 2011)
- [Cold Fusion #1 Claims NASA Chief](#) (*PESN*; May 31, 2011)
- [Ampenergy Amps Up Rossi's Energy Catalyzer in America](#) (*PESN*; May 17, 2011)
- [Seven Reasons to Embrace Rossi's Energy Catalyzer \(E-Cat\)](#) (*PESN*; May 7, 2011)
- [NyTeknik Validates Rossi's Energy Catalyzer](#) (*PESN*; May 2, 2011)
- [Sterling Allan on Cash-Flow: "It's an act of revolution to support free energy."](#) (*PESN*; April 28, 2011)
- [Rossi Cold Fusion Validated by Swedish Skeptic's Society](#) (*PESN*; April 7, 2011)
- [Breakdown to Breakthrough is Possible Now](#) (*PESN*; March 25, 2011)
- [Andrea Rossi with Sterling Allan on Coast to Coast AM](#) (*PESN*; March 24, 2011)
- [Rossi's Cold Fusion Energy Catalyzer: Frequently Asked Questions](#) (*PESN*; March 21, 2011)
- [Sterling Allan Appearing on Coast to Coast AM March 23, 2011](#) (*PESN*; March 18, 2011)
- [Welcome Worry-Free Nuclear Power: Rossi's Energy Catalyzer](#) (*PESN*; March 17, 2011)
- [Cold Fusion Steams Ahead at World's Oldest University](#) (*PESN*; March 7, 2011)
- [Future Impact of Rossi's Cold Fusion](#) (*PESN*; February 28, 2011)
- [Rossi's cold fusion reactor achieves 15 kW for 18 hours](#) (*PESN*; February 22, 2011)
- [BlackLight Power vs. Rossi's Cold Fusion - Related Technologies?](#) (*PESN*; February 8, 2011)
- [Fear Mongering: From Cannabis to Cold Fusion](#) (*PESN*; January 23, 2011)
- [Fighting the Infection of Cynical Skepticism with Cold Fusion](#) (*PESN*; January 21, 2011)
- [Hope Grows as Journals Weigh in on Italian Cold Fusion Breakthrough](#) (*PESN*; January 19, 2011)
- [Cold Fusion getting hot with 10kw heater prepping for market](#) (*PESN*; January 17, 2011)
- [Multi-kilowatt Ni-H cold fusion demo under way January 14 in Italy](#) (*PESN*; January 14, 2011)



1 MW unit will go online later in October.

See also

Resources at *PESWiki.com*

- [Directory:Andrea A. Rossi Cold Fusion Generator](#) - feature page
- [News:Rossi Cold Fusion](#)
- [Directory:Cold Fusion](#) | [News:Cold Fusion](#)
- [Directory:Nuclear](#) | [News:Nuclear](#)
- [Directory:Best Exotic Clean Energy Technologies](#)
- [More stories by Hank Mills](#)

- [PESN \(Pure Energy Systems News\)](#) - Feature stories on cutting-edge, clean energy technology.
- [Free Energy News \(.com\)](#) - Daily cutting-edge, clean energy technology news from around the world
- [PESWiki Latest](#) - Newest feature pages in the publicly-editable energy directory.
- [This Week in Free Energy™](#) - Ten-minute recap each Sunday, 7:50 - 8:00 pm Mountain.
- [Free Energy Now \(.net\)](#) - in-depth interviews

Ads by Google

[Electrical Engineer Job](#)

[Automated Test Engineer](#)

[Cat ASVAB Practice Test](#)

Page posted by [Sterling D. Allan](#)
 Last updated October 28, 2011
 000642

What's on your mind...

[Add images](#)
[Follow](#)

Echo 7 Items

[Admin](#)



Dionysius John

Where's the beef? This is a photo op, not a test report..... I am certain that Cold Fusion will eventually produce overunity output... I am equally certain that there is no evidence yet released that testifies that this situation obtained today...

Today, 5:27:20 PM – Like – Reply



paulo

2/3- Aparentemente um cara mandou ver num Gerador a base de fusao nuclear (cold fusion) e isso foi hoje.

Today, 5:18:34 PM – Like – Reply

via Twitter



Guest

Giant biodeisel generator ftw lol.....

Today, 5:15:23 PM – Like – Reply



Jonathan

Yes this certainly gives fodder for the skeptics. The generator could very well have been running the whole time and for all we know, the "customer" doesn't even exist. I think I will have to remain cautiously optimistic until the customer released their own report confirming what Rossi is saying. Does anybody know when the customer will be revealed?

Today, 5:14:50 PM – Like – Reply



Guest

When ravioli fly

Today, 5:16:11 PM – Like – Reply



★ **PES Network, Inc.**

Here's our report:

Today, 5:04:51 PM – Like – Reply

via Twitter



1991 VG

RT @PESNetwork: Here's our report:

Today, 5:11:36 PM – Like – Reply

via Twitter

Social Networking by Echo



EMF Safety Store

LessEMF.com is the place to buy Gauss meters, RF meters, shielding.



[Poor Man's Guide to Wind and Battery Power](#)

ADVISORY: With any technology, you take a high risk to invest significant time or money unless (1) independent testing has thoroughly corroborated the technology, (2) the group involved has intellectual rights to the technology, and (3) the group has the ability to make a success of the endeavor.



All truth passes through three stages:

First, it is ridiculed;
Second, it is violently opposed; and
Third, it is accepted as self-evident.

-- Arthur Schopenhauer (1788-1860)

"When you're one step ahead
of the crowd you're a genius.
When you're two steps ahead,
you're a crackpot."

-- Rabbi Shlomo Riskin, (Feb. 1998)

[Submit](#) • [Privacy](#) • [About](#) • [Contact](#)

PESWiki Departments:

[Latest](#) • [News](#) • [XML](#) • [Feed](#) • [Directory](#) • [Congress](#) • [Top 100](#) • [Open Sourcing](#) • [PowerPedia](#)

[PESN.com](#)

Copyright © 2002-2011, [PES Network Inc.](#)