

Subject: Re: False And Misleading Claims on the FuseNet Web Site  
Date: Wed, 12 Dec 2018 11:50:58 +0000  
From: Jaspers, R.J.E. <r.j.e.jaspers@tue.nl>  
To: Steven B. Krivit  
CC: FuseNet Executive Office <feo@fusenet.eu>

Dear Mr. Krivit,

We have adapted the Fusenet website accordingly to your suggestions. Of course the points you made are correct and we are not denying these, but when I discuss these issues with my students in class, I always put it in the right perspective (i.e. explaining the difference between scientific breakeven and engineering breakeven, discuss the conversion efficient and the heating efficiency etc. ). Now we have explicitly included this on the website.

The following changes were made:

<https://www.fusenet.eu/node/39>

"The fusion reactor itself has been designed to produce 500 MW of thermal output power for 50 MW of net input power, or ten times the amount of power put in. Scientifically, this will be the proof of principle that more power can get out of the fusion process than is used to initiate it. Note that no net electricity is produced yet, since the thermal power still has to be converted to electricity and the input power disregards the efficiency of the heating systems."

<https://www.fusenet.eu/node/40>

(same change also on: <https://www.fusenet.eu/node/4>)

"Although the point of breakeven - where more energy comes out of the reaction than is put into the reaction - has almost been reached (the JET experiment reached 65% of scientific breakeven in 1997)"

<https://www.fusenet.eu/node/42>

"Break-even" conditions, where the fusion output power equals the net external input power (disregarding the efficiency) required to heat the plasma, were almost reached"

Thanks for the help, and my apologies that I did not follow this up immediately.

Best regards

Roger

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