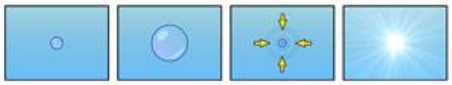
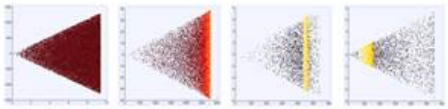
QUANTUM FUSION

CAVITATION-INDUCED FUSION: TOMORROW'S CLEAN ENERGY

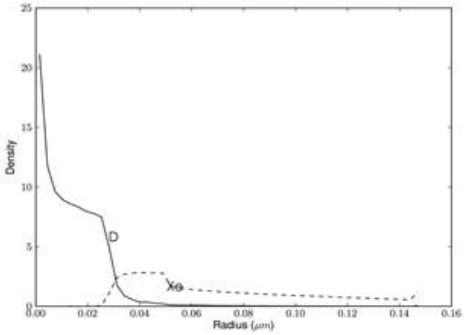
THEORY



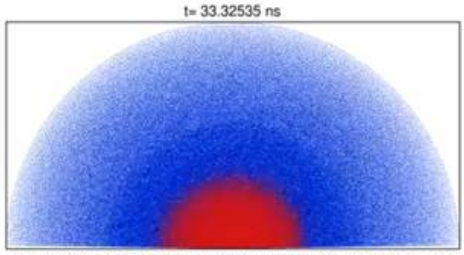
Rapidly oscillating gas bubbles in liquid metals...



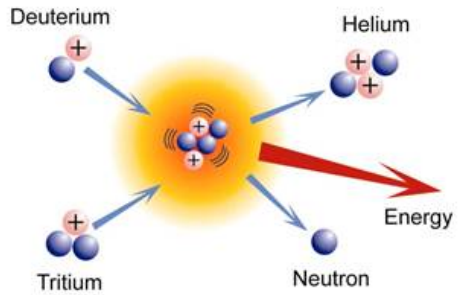
...modeled with molecular dynamics simulation...



...launch spherical converging shockwaves...



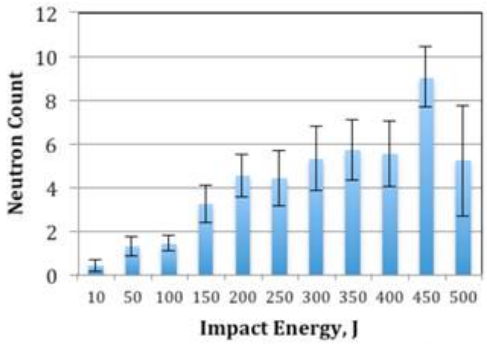
...that heat hydrogen fiuel gas to fusion temperatures.



Resulting thermal energy is absorbed by carrier liquid.

EXPERIMENT

PROOF OF CONCEPT (SINGLE BUBBLE)



NEUTRON EMISSION (SMORODOV et al)

PRODUCT TIMELINE

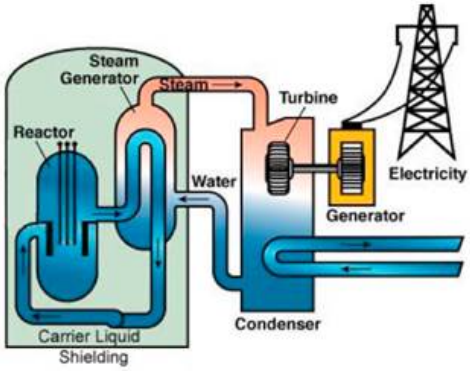
2013 - Proof of concept demo
2014 - Multi-bubble demo
2015 - Break-even/control demo
2016 - 100kW reactor demo

FUNDING NEEDS

2013 - $0.5M
2014-2016 - $10M

GENERATOR PROTOTYPE

POWER PLANT



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