

Date: 03 Oct 2025

FYI - Fusion News/Alerts

Deliveries - Night-time delivery for the central solenoid

<https://www.iter.org/node/20687/night-time-delivery-central-solenoid>

[Latest ITER Newslines: <https://www.iter.org/whatsnew/469>]

Fusion, funding and the future

<https://www.neimagazine.com/analysis/fusion-funding-and-the-future/>

Eni signs first energy company PPA for fusion energy

<https://www.powerengineeringint.com/nuclear/eni-signs-first-energy-company-ppa-for-fusion-energy/>

FLARE: A proposed high gain approach for fusion energy

<https://www.powerengineeringint.com/nuclear/flare-a-proposed-high-gain-approach-for-fusion-energy/>

First Light Fusion presents novel approach to fusion

<https://world-nuclear-news.org/articles/first-light-fusion-presents-novel-approach-to-fusion>

China tests fusion maintenance robot

<https://www.neimagazine.com/news/china-tests-fusion-maintenance-robot/>

ITER receives final solenoid magnet

<https://www.neimagazine.com/news/final-solenoid-magnet-arrives-at-iter/>

Trump and Starmer sign much-anticipated tech deal

<https://www.ans.org/news/article-7398/trump-and-starmer-sign-muchanticipated-tech-deal/>

U.S. Congress Holds Hearing on “Igniting America’s Energy Future: The Promise and Progress of Fusion Power”

<https://www.fusionindustryassociation.org/u-s-house-hosts-hearing-on-igniting-americas-energy-future-the-promise-and-progress-of-fusion-power/>

Fueling Fusion With Tritium from Nuclear Waste

<https://eepower.com/tech-insights/fueling-fusion-with-tritium-from-nuclear-waste/#>

Eni secures fusion power deal

<https://www.neimagazine.com/news/eni-secures-fusion-power-deal-with-cfs/>

Amid Skepticism, Cold Fusion Experiments Heat Up Again

<https://eepower.com/tech-insights/amid-skepticism-cold-fusion-experiments-heat-up-again/>

German startups want to seize historic opportunity: first commercial fusion power plant by end of 2030s

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<https://info.aea-al.org/german-startups-want-to-seize-historic-opportunity-first-commercial-fusion-power-plant-by-end-of-2030s/>

Oklo breaks ground at INL on Aurora reactor

<https://www.ans.org/news/article-7414/oklo-breaks-ground-at-inl-on-aurora-reactor/>

3D particle-in-cell simulations demonstrate first true steady state in turbulent plasma

<https://phys.org/news/2025-09-3d-particle-cell-simulations-true.html>

Topologically tunable strong-field terahertz pulses from magnetized plasma

<https://www.eurekalert.org/news-releases/1099904>

First Light unveils novel approach to fusion

<https://www.neimagazine.com/news/first-light-unveils-novel-approach-to-fusion/>

The Fusion Fix: Can It Really Power the Future?

<https://www.nytimes.com/events/climateforward/sessions/mumgaard>

Stellarator fusion project advances in Tennessee

<https://www.neimagazine.com/news/stellarator-fusion-project-advances-in-tennessee/>

LLNL Receives Energy Department Funding for Fusion Energy Research

<https://lasers.llnl.gov/news/llnl-receives-energy-department-funding-fusion-energy-research>

F4E Roundtable Key Takeaways report now available!

<https://fusionforenergy.europa.eu/news/roundtable-key-takeaways-report-eu-fusion-strategy/>

Fusion, what is it good for?

<https://www.auckland.ac.nz/en/news/2025/09/24/fusion-what-is-it-good-for.html>

Forging fusion: Summit supercomputer study speeds power plant design

<https://www.ornl.gov/news/forging-fusion-summit-supercomputer-study-speeds-power-plant-design>

The New Nuclear Age: Why the World Is Rethinking Atomic Power

<https://www.goldmansachs.com/insights/articles/new-nuclear-age-why-the-world-is-rethinking-atomic-power>

Argonne scientists investigate 3D-printed steels for use in next-generation nuclear reactors

<https://www.anl.gov/article/argonne-scientists-investigate-3dprinted-steels-for-use-in-nextgeneration-nuclear-reactors>

NEA conference focuses on new nuclear development

<https://www.ans.org/news/article-7410/nea-conference-focuses-on-new-nuclear-development/>

Recent Peer-Reviewed Articles of Interest

Comprehensive analysis of disruption mitigation methods using gas and pellet-like injections in ITER-like Tokamaks

<https://www.nature.com/articles/s41598-025-14407-z>

Multimodal super-resolution: discovering hidden physics and its application to fusion plasmas

<https://www.nature.com/articles/s41467-025-63492-1>

A unified framework for deriving and visualizing soliton solutions in the paraxial nonlinear Schrödinger equation

<https://www.nature.com/articles/s41598-025-07884-9>

Dynamic three-wave coupling between local sporadic spokes and emergence of global breathing oscillation in partially magnetized cross-field plasmas

<https://www.nature.com/articles/s42005-025-02304-w>

[Of Interest]

How AI Hype Minted Two New Billionaires From A Company With No Revenue

<https://www.forbes.com/sites/phoebeliu/2025/09/23/how-ai-nuclear-energy-trump-minted-two-new-oklo-billionaires/>

AI and Quantum Among Top White House R&D Priorities for FY2027

<https://www.aip.org/fyi/ai-and-quantum-among-top-white-house-r-d-priorities-for-fy2027>