

《全球最大核聚变工程有望创造终极清洁能源》



The world's largest nuclear fusion project that will replicate reactions in the sun to create the ultimate clean energy source has begun assembly in France.

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Located in Provence, the International Thermonuclear Experimental Reactor — or ITER, for short — is expected to start delivering energy in the year 2035.

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Fusion power works by colliding heavy hydrogen atoms to form helium — releasing vast amounts of energy in the process, as occurs naturally in the centre of stars.

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Seven main international partners are collaborating to bring ITER's practical fusion power to reality — including China, Europe, India, Japan, Russia, South Korea and the US.

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The ITER project was launched in 2006 and had originally planned to conduct its first test run this year, to reach full fusion by 2023.

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However, the project has faced assorted delays as a result of financing issues, budgetary overrun and, most recently, set-backs due to COVID-19.

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